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Study of Exhaust Emissions from 1966 through 1976 Model-Year Light-Duty Vehicles in Denver, Chicago, Houston and Phoenix

Automotive Testing Labs, Inc, Aurora, Colo.

Prepared for

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Emission tests were performed on a sample of light-duty vehicles operating in the Chicago, Houston, Phoenix and Denver metropolitan areas. These tests were performed for the determination of light-duty vehicle emission factors. All vehicles were tested in the as-received condition by the Federal Test Procedure. Other tests included the Highway Fuel Economy Test, Modal Emission Tests, the Federal Short Cycle Test, a composite of the New Jersey ACID Test and the New York Short Test, the Clayton Keymode Test, the Two Speed Idle Test and the Federal Three Mode Test. A Revised Federal Three Mode Test and the Sulfate Emission Test were also performed. The Phoenix sample included twenty diesel-powered vehicles which were tested by the diesel version of the Federal Test Procedure, the Highway Fuel Economy Test and Modal Emission Tests. Evaporative Emission Tests by the SHED procedure were also conducted on twenty vehicles in Denver.

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STUDY OF EXHAUST EMISSIONS FROM 1966 THROUGH 1976 MODEL YEAR LIGHT-DUTY VEHICLES IN DENVER, CHICAGO, HOUSTON, AND PHOENIX

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
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Emission Control Technology Division
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Publication No. EPA-460/3-77-005

ABSTRACT

Emission tests were performed on a sample of light-duty vehicles operating in the Chicago, Houston, Phoenix, and Denver metropolitan areas. A total of 1370 vehicles were tested; 517 in Chicago from model years 1966 through 1976; 133 in Houston of model years 1973 through 1976; 520 in Phoenix from model years 1965 through 1977; (three 1965 diesels and one 1977 diesel) and 200 in Denver of model years 1970 through 1976. In Denver, Chicago, and Houston the sample included ten 1976 and seven 1975 model year light duty trucks. In Phoenix the sample included twenty diesel-powered passenger cars.

All vehicles were tested in the as-received condition by the current Federal Test Procedure. In each of Denver, Houston, and Chicago forty-four 1976 vehicles were subjected to the EPA Highway Fuel Economy Test. In Chicago and Houston these same subsamples were tested using the Surveillance Driving Sequence and Steady State Procedures. All vehicles in Denver and the twenty diesel-powered vehicles in Phoenix were subjected to these testing procedures also.

A series of five short tests was conducted in Chicago and Phoenix. The five short tests were the Federal Short Cycle, a composite of the New Jersey ACID Test and New York Short Test, the Clayton Keymode Test, a Two Speed Idle Test and the Federal Three Mode Test. These short tests were conducted on all vehicles tested in Chicago. In Phoenix all but the diesel-powered vehicles received the short tests, except that 103 of the Phoenix vehicles received the Composite New Jersey ACID/New York Short Test. The remaining 397 gasoline-powered vehicles were tested using a Revised Federal Three Mode Test in place of the Composite Test. Additionally, the New York

City Cycle was performed in Phoenix on fifty 1975, fifteen 1971, thirty-five 1970 and fifty pre-1969 model year vehicles.

In Denver, Houston and Phoenix the Sulfate Emission Test was performed on all 1975 and 1976 model-year vehicles operated on unleaded fuel.

The Sealed Housing for Evaporative Determination (SHED) Test was performed on twenty vehicles in Denver.

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1. INTRODUCTION

The U.S. Environmental Protection Agency (EPA), under authority provided by the Clean Air Act, develops, implements and administers a national program to characterize, quantify and reduce pollution of the nation's air resources. Certain segments of the national program dealing with mobile air pollution sources are conducted under the direction of the EPA's Emission Control Technology Division (ECTD). Included in the ECTD's responsibilities are the development, implementation and administration of programs to characterize, quantify and reduce air pollution from in-use vehicles.

One of the in-use vehicle programs for which the ECTD is responsible is the Emission Factors Program. This program, which involves tests on a variety of light-duty vehicles (passenger cars and light trucks) in a variety of geographic areas, has been conducted annually under contracts with independent laboratories since Fiscal Year (FY) 1971. Basic data arising out of the Emission Factors Program are used within the EPA by the National Air Data Branch (NADB) and the Office of Transportation Land Use Planning (OTLUP) for calculating and projecting nationwide and metropolitan area emissions from light-duty motor vehicles. The program has involved testing in a number of U.S. cities to represent the national use of passenger cars and light trucks under various topographical and climatological conditions as well as those vehicles subject to the differing standards of the State of California. The FY 71 Program included exhaust emission measurements from 1957-1971 model-year light-duty vehicles in six U.S. cities. Evaporative emission measurements were taken on some of these vehicles at one low altitude (Los Angeles) and one high altitude (Denver) site. Similar measurements were taken on 1966-1972 model-year vehicles in the FY 72 Program.

In the FY 73 Program, emissions from 1967-1974 model-year vehicles were measured. In the FY 74 Program, the subjects of measurements were the 1965-1975 model-year vehicles. In FY 74, the program was expanded to seven U.S. cities. The FY 75 Program, the subject of this report, was initiated to measure emissions from gasoline-powered 1966-1976 model-year light-duty vehicles and diesel-powered light-duty vehicles.

More recently, the Emission Factors Program has been expanded in scope from the basic measurements in response to the EPA's growing needs. Recent versions have included the collection of short emission inspection cycle data by both mass (constant volume sampling) and direct tailpipe measurements. These short tests are those that have been under consideration by state and local agencies in their Transportation Control Plans. The EPA analyzes results from the short tests for possible correlation with the more sophisticated and complex Federal Test Procedure and forwards results of the analyses to the various agencies. The subject version of the Emission Factors Program was expanded even more to provide not only the basic and short cycle emission measurements but to investigate the individual and combined effects of emission control system defects and disablement or maladjustment actions on exhaust emissions and fuel economy. The results of this program, which is termed the Restorative Maintenance Evaluation Program, are presented in separate contractor reports. Segments of this evaluation were performed in Chicago, Livonia, Mich., Washington D.C. and San Francisco.

In carrying out its FY 75 Program, the EPA contracted with Automotive Testing Laboratories, Inc. (ATL) to provide emission, fuel economy and other data from vehicles operating in four U.S. metropolitan areas. This four cities study is part of the more comprehensive Emission Factors Program effort to provide data from vehicles operating in seven metropolitan areas. This report describes the conduct of the major portion of ATL's contractual activity and presents emission test results from Chicago, Houston, Phoenix and Denver area vehicles. Results from evaporative emission tests performed in Denver, diesel emission tests performed in Phoenix and sulfate emission tests performed in Houston, Phoenix and Denver are also presented. Test results from ATL's work relative to the Restorative Maintenance Evaluation, performed in Chicago, are presented in a separate report volume.

2. TECHNICAL DISCUSSION

2.1 PROGRAM OBJECTIVES

The major objective of this program was to obtain in-use light-duty vehicle exhaust emission data. These data are used by the EPA to calculate and project average light-duty vehicle exhaust emission factors.

Other objectives were to obtain fuel economy, short cycle test and evaporative emission test data. The fuel economy data are used by the EPA and other agencies to calculate and project average fuel economy (miles per gallon) factors. Short cycle emission inspection data are analyzed and forwarded by the EPA to state and local agencies for use in their air pollution control programs. The evaporative emission test data are also for emission factors development. Another objective was to obtain sulfate emission data on vehicles requiring unleaded fuel. These data are used by the EPA for emission factor purposes and for possible promulgation of new standards.

2.2 PROGRAM DESIGN

The program, relative to ATL's involvement, was designed to test a total of 1,370 vehicles of various makes and model-years. The Chicago sample was comprised of 517 vehicles from model-years 1966 through 1976. A sample of 133 1973 through 1976 model-year vehicles was prescribed for the Houston area. In Phoenix, a sample of 520 vehicles from model-years 1966 through 1976, including a variety of twenty diesel-powered passenger cars, was prescribed. Due to the current limited availability of diesel passenger cars, three 1965 and one 1977 model-year diesels were tested. The Denver sample was comprised of 200 vehicles from model-years 1970 through 1976. Samples in all but the Phoenix site included seven 1975 and ten 1976 model-

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year light-duty trucks.

For emission factors development, standard mass exhaust emission measurement procedures were prescribed. These included both bag sampling and modal measurement procedures. Evaporative emission measurement procedures were prescribed for certain vehicles in the Denver sample. Several short cycle emission tests were also prescribed for specific vehicles at all sites. For fuel economy data development, vehicle operation over a highway driving schedule was prescribed for certain vehicles at each of the four test sites. The standard mass exhaust emission test, which has a driving schedule that simulates city driving, was also utilized for measuring fuel economy. A procedure was specified for sulfate determination.

A sampling strategy having EPA approval was used in procuring the vehicles to be tested. Vehicles owned and operated primarily by private individuals were sought. Vehicle identification listings were provided by the EPA for each site. For site to site emission factors and fuel economy comparisons, the listings contained vehicle identifications common to all sites. While these listings contained specific identifications, tolerances for vehicle substitutions were allowed. Other sampling criteria included boundaries within which the laboratory was to be situated and boundaries within which the vehicles were to be garaged. An incentive package to promote owner participation was also stipulated.

Procedures specific to emission factors development consisted of the Federal Test Procedure (FTP) for light-duty vehicles and modal emission measurements. The FTP was conducted on all vehicles. Modal measurements were comprised of both transient and steady state (constant speed) operation. The EPA's Surveillance Driving Sequence (SDS) was used to simulate transient modes of vehicle operation. These steady state and transient modal tests were performed on the ten 1976 model-year trucks and thirty-four of the 1976 model-year passenger cars in Chicago and Houston, on all vehicles tested in Denver and on the twenty diesels in Phoenix. Also related to emission factors development is the Evaporative Emission Test. This test, which was conducted in accordance with Sealed Housing for Evaporative Determination (SHED) procedures, was performed on twenty Denver test sample vehicles. This procedure was performed using two fuels; the appropriate Indolene fuel and a locally supplied commercial fuel.

Procedures specific to fuel economy measurement included both the Federal Test Procedure for fuel economy determination under city driving conditions and the Highway Fuel Economy Test (HFET) for fuel economy determination under highway conditions. The HFET was prescribed in Chicago and Houston for the forty-four vehicles on which the modal tests were to be performed, in Denver for the ten 1976 model-year trucks and thirty-four of the 1976 model-year passenger cars and on the twenty diesels in Phoenix. Fuel economy calculations were also performed for the modal emission tests on both a modal and composite basis and for those short cycles that are mass tests.

The short cycle tests consisted of both mass and tailpipe concentration emission tests. Mass tests included the Federal Short Cycle Test and the New Jersey ACID/New York Short Test Composite. Tailpipe concentration tests included the Clayton Key Mode Tests, the Two Speed Idle Test and the Federal Three Mode Test. Each of these short mass and tailpipe concentration tests were prescribed for all vehicles in the Chicago and Phoenix samples. The Revised Federal Three Mode Test was also prescribed for certain vehicles in the Phoenix sample. Other vehicles at the Phoenix site also underwent testing using the New York City Driving Cycle.

For sulfate emission determination, the Sulfate Emission Test was prescribed. This test was conducted on all 1975 and 1976 model-year gasoline-powered vehicles requiring unleaded fuel in the Houston, Phoenix and Denver sites.

Light-duty diesel powered-vehicle versions of the Federal Test Procedure, the Highway Fuel Economy Test and the modal tests were prescribed for the twenty diesel-powered vehicles in the Phoenix site.

Other design criteria included equipment performance and calibration specifications, data handling, processing and transmittal specifications and reporting procedures. Details concerning the observance of these and the other criteria are provided under 2.3 through 2.7 below.

2.3 TEST VEHICLE PROCUREMENT

2.3.1 Test Vehicle Selection

The EPA provided a listing of vehicles to be tested at each site. Vehicles comprising the lists were selected on the basis of vehicle miles traveled (VMT) by age of vehicle (model-year). The sample was further based on national model-year populations whereby the vehicle descriptions were selected on the basis of their frequency of appearance in the model-year of interest. As of the selection date, information on the 1976 model-year vehicles was incomplete, however, and the selection of these vehicles was based on sales projections provided by the vehicle manufacturers. The supplied lists described the desired sample further by make, engine size, model size (subcompact, compact, intermediate, etc.), transmission type and carburetor type (including a representation of fuel injected vehicles). Substitution allowances were provided to take localized vehicle distribution factors and other procurement difficulty factors into account. The criteria in this regar were as follows:

100% fit to the listed make and model-year.

90% fit to the listed make, model-year and engine displacement.

70% exact vehicle match to the descriptions listed.

The twenty diesel-powered vehicles, however, were not so described. The only requirement regarding these vehicles was that they be randomly selected in the overall course of procurement although the selection of these vehicles was subject to EPA approval.

2.3.2 Incentives

To promote owner participation, an incentive package was prescribed and offered for each vehicle tested. The package consisted of:

- A $50 U.S. Savings Bond
- A late-model loan vehicle to serve as a substitute for the test vehicle
- Fuel for the loan vehicle
- A full tank of fuel for the test vehicle when the tests were completed

2.3.3 Test Vehicle Procurement

The Emission Factors Program objectives require that privately-owned vehicles be tested. Program specifications reflect the requirement. With certain constraints two privately-owned vehicle sources or categories were available: vehicles used in prior programs and newly procured vehicles.

The testing of vehicles used under prior versions of the Emission Factors Program was encouraged under the subject effort to enable the EPA to evaluate any changes in emission and other factors that occured relative to these vehicles since the earlier test. Vehicles having received maintenance as a part of these earlier programs, however, were not to be solicited. We included this source in our procurement effort and solicited those FY 74 Program vehicles that could be located and that otherwise met the FY 75

Program criteria. FY 74 Program vehicles that were procured and tested under the subject study were added to the test sample in a position which provided the closest possible match to the EPA supplied test vehicle lists. As permitted under the contract, these vehicles were excluded from calculations relating to the substitution allowances described under 2.3.1 of this report. The extent to which FY 74 Program vehicles were utilized in the FY 75 sample is shown in the following table. The number of FY 74 Denver vehicles utilized in the FY 75 sample was relatively small, as indicated here, since all but a few vehicles tested in the earlier Denver phase of the program had been subjected to maintenance under the program.

Site	Vehicles Tested in FY 75 (No.)	FY 74 Vehicles Tested in FY 75 (No.)	FY 74 Vehicles Tested in FY 75 (% of Total)
Chicago	517	206	39.8
Houston	133	40	30.1
Phoenix	520	104	20.0
Denver	200	4	2.0

It may be recalled that each of the test site vehicle listings was based on national sales data. The substitution allowances described earlier were provided to take possible local vehicle population differences and attendant vehicle procurement difficulty factors into account. Certain other allowances were also provided for the same reason. These related primarily to the newly procured FY 75 Program vehicles but are presumed to have applied to those FY 74 Program vehicles tested in the subject study. Sample and related specifications for the two programs are identical. These additional allowances concerned the use of rental vehicles and vehicles procured from organizations. The use of rental vehicles was permitted up to ten percent for any model-year vehicle and any location. The use of vehicles procured from civic, fraternal and other organizations was permitted up to fifty percent at each location. The use of groups of vehicles from automotively oriented organizations, however, was prohibited. The procurement plan we employed did not include solicitions of the latter. In isolated circumstances, however, rental vehicles were utilized but well within the allowances.

In developing the sample portion involving newly procured vehicles, we utilized an approved random vehicle procurement plan. All but a relatively small percentage of this portion were procured through the employment of this plan. The remainder, less than ten percent of the overall individual site samples, were procured by means of direct appeals: through the news-media; to used car lot managements and; to individual vehicle owners. News-media appeals were provided in the public interest by the local newspapers and television and radio stations. Appeals to individual vehicle owners were made by other test participants and by our personnel who had occasion to notice the needed vehicle and contact its owner. The random vehicle procurement plan, which yielded all but the FY 74 Program vehicles, the relatively few rental vehicles and the vehicles procured through the news-media, from car lots and from personal solicitations, is described below.

Several postal zip-code areas were selected on the base of vehicle owner residence within the defined metropolitan area and owner access to the testing facility. Owners residing within these areas were selected from computer files by the random process of nth name selection whereby each 1, 2, 3, 4 or nth name appearing in the file is selected. The value of n is determined by the total number of vehicles of interest appearing in the zip code areas versus the number of candidate vehicles needed. The computerized selection service was provided by a firm which specializes in this and related activities. Nth name selection was followed by the mailing of an introductory letter and a post-paid information reply card to the owners of prospective vehicles. The letter, which explained the purpose of the program, the incentives and invited participation, was composed by ATL and approved by the EPA before being released. The post-paid reply card provided for the supplying of additional vehicle and owner information not within the capacity of the mailing firm to provide.

Our prior program experience provided the basis for determining the number of mailings. While on a site by site basis affirmative responses to the mailings vary, we found they number from five to ten percent of the initial quantity mailed. Consequently, we utilized about thirty mailings for each vehicle to be tested. This ratio produces about eighty-five to ninety percent of the desired sample.

Composition of the sample that was procured and tested at each site is shown by model-year and make in Table 1 and by model-year, inertia weight (shipping weight plus 300 lbs), engine displacement category and number of engine cylinders in Table 2. Data provided in these tables reflect the vehicles procured from the FY 74 Program, from the random vehicle procurement effort and from all other sources.

2.3.3.1 Phoenix Diesel Test Vehicle Procurement - Difficulty in distinguishing between gasoline and diesel-powered vehicles precluded the procurement of diesels for testing in Phoenix via direct mail solicitation. These vehicles were obtained from individual vehicle owners through news-media

TABLE 1

SUMMARY OF VEHICLE MAKES

DENVER

MANUFACTURER	1965 THRU 1968	1969	1970	1971	1972	1973	1974	1975	1976	TOTAL
LIGHT-DUTY TRUCKS										
CHEVOLET	0	0	0	0	0	0	0	3	4	7
DODGE	0	0	0	0	0	0	0	1	2	3
FORD	0	0	0	0	0	0	0	3	3	6
GMC	0	0	0	0	0	0	0	0	0	0
FOREIGN	0	0	0	0	0	0	0	0	1	1
DOMESTICS										
AMC	0	0	1	0	1	1	1	1	1	6
BUICK	0	0	1	2	1	2	1	2	2	11
CADILLAC	0	0	0	0	1	1	1	1	1	5
CHEVROLET	0	0	5	5	6	5	6	5	7	39
CHRYSLER	0	0	0	1	0	0	1	1	0	3
DODGE	0	0	1	1	1	1	1	1	2	8
FORD	0	0	4	5	5	5	5	5	6	35
LINCOLN	0	0	0	0	0	0	0	0	0	0
MERCURY	0	0	1	1	1	1	1	1	2	8
OLDSMOBILE	0	0	1	1	1	2	2	2	3	12
PLYMOUTH	0	0	2	1	2	2	2	2	2	13
PONTIAC	0	0	1	2	2	2	1	2	2	12
IMPORTS										
CAPRI	0	0	0	0	0	0	0	0	0	0
COLT	0	0	0	0	0	0	0	0	0	0
DATSUN	0	0	1	1	1	1	1	1	2	8
FIAT	0	0	0	0	0	0	0	0	0	0
HONDA	0	0	0	0	0	0	0	0	0	0
MAZDA	0	0	0	0	0	0	0	0	0	0
MERCEDES	0	0	0	0	0	0	0	0	0	0
OPEL	0	0	0	0	0	1	0	0	0	1
PEUGEOT	0	0	0	0	0	0	0	0	0	0
TOYOTA	0	0	1	1	1	1	2	2	2	10
VW	0	0	1	1	2	2	2	2	2	12
VOLVO	0	0	0	0	0	0	0	0	0	0
TOTALS	0	0	20	22	25	27	27	35	44	200

TABLE 1 CONT'D

SUMMARY OF VEHICLE MAKES

CHICAGO

MANUFACTURER	1965 THRU 1968	1969	1970	1971	1972	1973	1974	1975	1976	TOTAL
LIGHT-DUTY TRUCKS										
CHEVOLET	0	0	0	0	0	0	0	3	4	7
DODGE	0	0	0	0	0	0	0	1	2	3
FORD	0	0	0	0	0	0	0	3	3	6
GMC	0	0	0	0	0	0	0	0	0	0
FOREIGN	0	0	0	0	0	0	0	0	1	1
DOMESTICS										
AMC	3	1	1	1	1	1	2	2	5	17
BUICK	3	2	3	3	3	4	3	3	9	33
CADILLAC	1	1	1	1	1	1	1	2	5	14
CHEVROLET	12	7	8	9	11	11	11	10	31	110
CHRYSLER	1	1	1	1	1	1	1	1	2	10
DODGE	3	1	2	2	2	3	3	2	8	26
FORD	11	6	7	8	9	9	9	8	26	93
LINCOLN	1	0	0	0	1	0	1	1	2	6
MERCURY	1	1	1	2	2	2	2	2	7	20
OLDSMOBILE	3	2	2	3	3	4	3	4	12	36
PLYMOUTH	4	2	3	3	3	3	3	3	9	33
PONTIAC	5	3	2	3	3	4	3	3	10	36
IMPORTS										
CAPRI	0	0	0	0	1	1	1	0	1	4
COLT	0	0	0	0	0	0	0	0	1	1
DATSUN	0	0	1	1	1	1	2	2	5	13
FIAT	0	0	0	0	0	0	0	1	2	3
HONDA	0	0	0	0	0	0	0	1	2	3
MAZDA	0	0	0	0	0	1	1	1	1	4
MERCEDES	0	0	0	0	0	0	0	0	0	0
OPEL	0	0	0	0	0	1	0	0	0	1
PEUGEOT	0	0	0	0	0	0	0	0	0	0
TOYOTA	0	1	1	1	1	1	2	2	6	15
VW	2	2	2	2	2	2	2	2	5	21
VOLVO	0	0	0	0	0	0	0	0	1	1
TOTALS	50	30	35	40	45	50	50	57	160	517

TABLE 1 CONT'D

SUMMARY OF VEHICLE MAKES

HOUSTON

MANUFACTURER	1965 THRU 1968	1969	1970	1971	1972	1973	1974	1975	1976	TOTAL
LIGHT-DUTY TRUCKS										
CHEVOLET	0	0	0	0	0	0	0	3	4	7
DODGE	0	0	0	0	0	0	0	1	2	3
FORD	0	0	0	0	0	0	0	3	3	6
GMC	0	0	0	0	0	0	0	0	0	0
FOREIGN	0	0	0	0	0	0	0	0	1	1
DOMESTICS										
AMC	0	0	0	0	0	1	1	1	1	4
BUICK	0	0	0	0	0	2	1	2	2	7
CADILLAC	0	0	0	0	0	1	1	1	1	4
CHEVROLET	0	0	0	0	0	5	6	5	7	23
CHRYSLER	0	0	0	0	0	0	1	1	0	2
DODGE	0	0	0	0	0	1	1	1	2	5
FORD	0	0	0	0	0	5	5	5	6	21
LINCOLN	0	0	0	0	0	0	0	0	0	0
MERCURY	0	0	0	0	0	1	1	1	2	5
OLDSMOBILE	0	0	0	0	0	2	2	2	3	9
PLYMOUTH	0	0	0	0	0	2	2	2	2	8
PONTIAC	0	0	0	0	0	2	1	2	2	7
IMPORTS										
CAPRI	0	0	0	0	0	0	0	0	0	0
COLT	0	0	0	0	0	0	0	0	0	0
DATSUN	0	0	0	0	0	1	1	1	2	5
FIAT	0	0	0	0	0	0	0	0	0	0
HONDA	0	0	0	0	0	0	0	0	0	0
MAZDA	0	0	0	0	0	0	0	0	0	0
MERCEDES	0	0	0	0	0	0	0	0	0	0
OPEL	0	0	0	0	0	1	0	0	0	1
PEUGEOT	0	0	0	0	0	0	0	0	0	0
TOYOTA	0	0	0	0	0	1	2	2	2	7
VW	0	0	0	0	0	2	2	2	2	8
VOLVO	0	0	0	0	0	0	0	0	0	0
TOTALS	0	0	0	0	0	27	27	35	44	133

TABLE 1 CONT'D

SUMMARY OF VEHICLE MAKES

PHOENIX

MANUFACTURER	1965 THRU 1968	1969	1970	1971	1972	1973	1974	1975	1976	TOTAL
LIGHT-DUTY TRUCKS										
CHEVOLET	0	0	0	0	0	0	0	0	0	0
DODGE	0	0	0	0	0	0	0	0	0	0
FORD	0	0	0	0	0	0	0	0	0	0
GMC	0	0	0	0	0	0	0	0	0	0
FOREIGN	0	0	0	0	0	0	0	0	0	0
DOMESTICS										
AMC	3	1	1	1	1	1	2	2	5	17
BUICK	3	2	3	3	3	4	3	3	9	33
CADILLAC	1	1	1	1	1	1	1	1	6	14
CHEVROLET	12	7	8	9	11	11	11	10	31	110
CHRYSLER	1	1	1	1	1	1	1	1	2	10
DODGE	3	1	2	2	2	3	3	2	8	26
FORD	11	6	7	8	9	9	9	8	26	93
LINCOLN	1	0	0	0	1	0	1	1	2	6
MERCURY	1	1	1	2	2	2	2	2	7	20
OLDSMOBILE	3	2	2	3	3	4	3	4	12	36
PLYMOUTH	4	2	3	3	3	3	3	3	9	33
PONTIAC	5	3	2	3	3	4	3	3	10	36
IMPORTS										
CAPRI	0	0	0	0	1	1	1	0	1	4
COLT	0	0	0	0	0	0	0	0	1	1
DATSUN	0	0	1	1	1	1	2	2	5	13
FIAT	0	0	0	0	0	0	0	1	2	3
HONDA	0	0	0	0	0	0	0	1	2	3
MAZDA	0	0	0	0	0	1	1	1	1	4
MERCEDES	0	0	0	0	0	0	0	0	0	0
OPEL	0	0	0	0	0	1	0	0	0	1
PEUGEOT	0	0	0	0	0	0	0	0	0	0
TOYOTA	0	1	1	1	1	1	2	2	6	15
VW	2	2	2	2	2	2	2	2	5	21
VOLVO	0	0	0	0	0	0	0	0	1	1
TOTALS	50	30	35	40	45	50	50	49	151	500

TABLE 1 CONT'D

SUMMARY OF VEHICLE MAKES

PHOENIX

DIESEL

MANUFACTURER	1965 THRU 1968	1969	1970	1971	1972	1973	1974	1975	1976	TOTAL
LIGHT-DUTY TRUCKS										
CHEVOLET	0	0	0	0	0	0	0	0	0	0
DODGE	0	0	0	0	0	0	0	0	0	0
FORD	0	0	0	0	0	0	0	0	0	0
GMC	0	0	0	0	0	0	0	0	0	0
FOREIGN	0	0	0	0	0	0	0	0	0	0
DOMESTICS										
AMC	0	0	0	0	0	0	0	0	0	0
BUICK	0	0	0	0	0	0	0	0	0	0
CADILLAC	0	0	0	0	0	0	0	0	0	0
CHEVROLET	0	0	0	0	0	0	0	0	0	0
CHRYSLER	0	0	0	0	0	0	0	0	0	0
DODGE	0	0	0	0	0	0	0	0	0	0
FORD	0	0	0	0	0	0	0	0	0	0
LINCOLN	0	0	0	0	0	0	0	0	0	0
MERCURY	0	0	0	0	0	0	0	0	0	0
OLDSMOBILE	0	0	0	0	0	0	0	0	0	0
PLYMOUTH	0	0	0	0	0	0	0	0	0	0
PONTIAC	0	0	0	0	0	0	0	0	0	0
IMPORTS										
CAPRI	0	0	0	0	0	0	0	0	0	0
COLT	0	0	0	0	0	0	0	0	0	0
DATSUN	0	0	0	0	0	0	0	0	0	0
FIAT	0	0	0	0	0	0	0	0	0	0
HONDA	0	0	0	0	0	0	0	0	0	0
MAZDA	0	0	0	0	0	0	0	0	0	0
MERCEDES	7	2	1	1	0	1	3	1	3	19
OPEL	0	0	0	0	0	0	0	0	0	0
PEUGEOT	0	0	0	0	0	0	1	0	0	1
TOYOTA	0	0	0	0	0	0	0	0	0	0
VW	0	0	0	0	0	0	0	0	0	0
VOLVO	0	0	0	0	0	0	0	0	0	0
TOTALS	7	2	1	1	0	1	4	1	3	20

TABLE 2

SUMMARY OF TEST VEHICLE CHARACTERISTICS BY MODEL YEAR

DENVER

	1965 THRU 1968	1969	1970	1971	1972	1973	1974	1975 CARS & TRUCKS	1976 CARS & TRUCKS	TOTAL
INERTIA WEIGHTS (LBS)										
1750	0	0	0	0	0	0	0	0	0	0
2000	0	0	1	0	1	1	0	1	0	4
2250	0	0	0	1	1	1	3	2	3	11
2500	0	0	2	3	2	2	0	1	3	13
2750	0	0	0	0	3	2	3	2	2	12
3000	0	0	2	2	2	4	3	2	3	18
3500	0	0	4	6	5	1	5	4	7	32
4000	0	0	10	4	5	6	7	13	16	61
4500	0	0	1	3	4	8	4	5	7	32
5000	0	0	0	2	1	1	1	4	2	11
5500	0	0	0	1	1	1	1	1	1	6
ENGINE DISPLACEMENT (CUBIC INCHES)										
UNDER 251	0	0	5	7	7	10	10	10	16	65
251 - 330	0	0	4	3	4	2	5	6	6	30
331 - 399	0	0	9	6	7	9	6	12	16	65
OVER 399	0	0	2	6	7	6	6	7	6	40
NUMBER OF ENGINE CYLINDERS										
4	0	0	3	5	6	6	7	7	10	44
6	0	0	2	2	2	4	3	4	8	25
8	0	0	15	15	17	17	17	24	26	131
ROTARY	0	0	0	0	0	0	0	0	0	0
TOTALS	0	0	20	22	25	27	27	35	44	200

TABLE 2 CONT'D

SUMMARY OF TEST VEHICLE CHARACTERISTICS
BY MODEL YEAR

CHICAGO

	1965 THRU 1968	1969	1970	1971	1972	1973	1974	1975 CARS & TRUCKS	1976 CARS & TRUCKS	TOTAL
INERTIA WEIGHTS (LBS)										
1750	0	0	0	0	0	0	0	0	0	0
2000	0	0	2	0	1	0	0	2	2	7
2250	0	0	1	4	1	3	4	4	9	26
2500	0	1	1	2	6	8	1	1	7	27
2750	3	1	1	0	3	0	6	2	10	26
3000	6	4	4	5	3	3	3	6	15	49
3500	8	6	6	9	6	6	7	6	25	79
4000	19	11	12	7	8	12	8	17	41	135
4500	12	6	7	10	13	11	12	12	29	112
5000	1	1	1	2	3	6	7	3	14	38
5500	1	0	0	1	1	1	2	4	8	18
ENGINE DISPLACEMENT (CUBIC INCHES)										
UNDER 251	8	7	7	10	13	15	16	18	60	154
251 - 330	23	8	5	7	6	5	7	9	26	96
331 - 399	13	9	16	14	14	17	14	19	47	163
OVER 399	6	6	7	9	12	13	13	11	27	104
NUMBER OF ENGINE CYLINDERS										
4	2	3	4	6	8	10	11	11	37	92
6	6	4	3	4	6	4	6	7	25	65
8	42	23	28	30	31	35	33	38	98	358
ROTARY	0	0	0	0	0	1	0	1	0	2
TOTALS	50	30	35	40	45	50	50	57	160	517

TABLE 2 CONT'D

SUMMARY OF TEST VEHICLE CHARACTERISTICS BY MODEL YEAR

HOUSTON

	1965 THRU 1968	1969	1970	1971	1972	1973	1974	1975 CARS & TRUCKS	1976 CARS & TRUCKS	TOTAL
INERTIA WEIGHTS (LBS)										
1750	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	1	0	1	0	2
2250	0	0	0	0	0	2	3	2	3	10
2500	0	0	0	0	0	3	0	1	2	6
2750	0	0	0	0	0	0	4	2	3	9
3000	0	0	0	0	0	5	1	2	2	10
3500	0	0	0	0	0	3	4	5	8	20
4000	0	0	0	0	0	6	4	12	12	34
4500	0	0	0	0	0	4	8	6	11	29
5000	0	0	0	0	0	3	3	2	2	10
5500	0	0	0	0	0	0	0	2	1	3
ENGINE DISPLACEMENT (CUBIC INCHES)										
UNDER 251	0	0	0	0	0	10	9	10	16	45
251 - 330	0	0	0	0	0	2	4	6	10	22
331 - 399	0	0	0	0	0	10	8	12	11	41
OVER 399	0	0	0	0	0	5	6	7	7	25
NUMBER OF ENGINE CYLINDERS										
4	0	0	0	0	0	7	7	7	10	31
6	0	0	0	0	0	3	2	5	10	20
8	0	0	0	0	0	17	18	23	24	82
ROTARY	0	0	0	0	0	0	0	0	0	0
TOTALS	0	0	0	0	0	27	27	35	44	133

TABLE 2 CONT'D

SUMMARY OF TEST VEHICLE CHARACTERISTICS BY MODEL YEAR

PHOENIX

	1965 THRU 1968	1969	1970	1971	1972	1973	1974	1975 CARS & TRUCKS	1976 CARS & TRUCKS	TOTAL
INERTIA WEIGHTS (LBS)										
1750	0	0	0	0	0	0	0	0	0	0
2000	0	2	1	2	0	0	0	3	6	14
2250	2	0	2	2	2	1	4	1	7	21
2500	0	1	1	2	5	7	1	1	7	25
2750	2	0	1	0	4	3	7	4	6	27
3000	7	4	3	4	4	4	4	5	13	48
3500	14	7	8	13	8	4	5	10	35	104
4000	15	10	13	9	5	12	12	8	34	118
4500	8	5	5	5	11	13	9	11	26	93
5000	1	1	1	2	5	5	6	3	10	34
5500	1	0	0	1	1	1	2	3	7	16
ENGINE DISPLACEMENT (CUBIC INCHES)										
UNDER 251	7	7	7	9	12	14	16	18	57	147
251 - 330	22	7	8	7	6	6	7	7	26	96
331 - 399	13	10	16	15	13	16	15	13	39	150
OVER 399	8	6	4	9	14	14	12	11	29	107
NUMBER OF ENGINE CYLINDERS										
4	2	3	4	6	9	10	11	12	35	92
5	0	0	0	0	0	0	0	0	0	0
6	5	4	3	3	4	3	5	7	24	58
8	43	23	28	31	32	36	33	30	92	348
ROTARY	0	0	0	0	0	1	1	0	0	2
TOTALS	50	30	35	40	45	50	50	49	151	500

TABLE 2 CONT'D

SUMMARY OF TEST VEHICLE CHARACTERISTICS BY MODEL YEAR

PHOENIX DIESEL

	1965 THRU 1968	1969	1970	1971	1972	1973	1974	1975 CARS & TRUCKS	1976 CARS & TRUCKS	TOTAL
INERTIA WEIGHTS (LBS)										
1750	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2250	0	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0	0
2750	0	0	0	0	0	0	0	0	0	0
3000	6	0	0	0	0	0	1	0	0	7
3500	1	2	1	1	0	1	3	1	1	11
4000	0	0	0	0	0	0	0	0	2	2
4500	0	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0	0
5500	0	0	0	0	0	0	0	0	0	0
ENGINE DISPLACEMENT (CUBIC INCHES)										
UNDER 251	7	2	1	1	0	1	4	1	3	20
251 - 330	0	0	0	0	0	0	0	0	0	0
331 - 399	0	0	0	0	0	0	0	0	0	0
OVER 399	0	0	0	0	0	0	0	0	0	0
NUMBER OF ENGINE CYLINDERS										
4	7	2	1	1	0	1	4	1	1	18
5	0	0	0	0	0	0	0	0	2	2
6	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
ROTARY	0	0	0	0	0	0	0	0	0	0
TOTALS	7	2	1	1	0	1	4	1	3	20

solicitations and referrals made by other test participants.

Composition of the diesel test vehicle sample is separately identified also in Tables 1 and 2.

2.3.4 Test Vehicle Handling

The privately-owned test vehicles were delivered to the laboratory. Laboratory personnel made telephone contact with the participants and scheduled the delivery time. Subjects of the telephone contact were selected from either the FY 74 program information files or from the returned information reply cards. Rental vehicles and vehicles obtained from car lots were picked-up and delivered by personnel associated with the laboratory.

Upon arrival at the laboratory the vehicle was immediately inspected to confirm its compliance with sample specifications. A very few were rejected because of incorrect engine, carburetor or other owner supplied equipment identifications. A very few others also were rejected at this (or some subsequent) point due to exhaust system leakage, safety or other considerations which rendered the vehicle unsuitable for testing. Subsequent to acceptance, a more detailed inspection of the test vehicle was completed. The purpose of this inspection was to document the incoming condition of the vehicle to reduce exposure of the laboratory to liability for existing vehicle damages. Following this inspection, vehicle exchange agreements covering both the test and the loan vehicle were completed and an EPA furnished questionnaire was administered to the owner. The questionnaire sought information relating to vehicle usage and maintenance frequency and intensity. When this operation was completed a test vehicle pick-up time was established. The vehicle was then moved to a staging area where the remainder of pre-test operations were completed.

Following testing operations, the vehicle was returned to the staging area for the required after-test procedures and the after-test incentive fuel filling of the vehicle tank. The vehicle was subsequently moved to a parking area where it remained until picked-up by its owner.

2.4 FACILITIES AND EQUIPMENT

2.4.1 Test Locations

One permanent and three temporary facilities were used in the study. The locations and elevations of these factilites are as follows:

Denver	19900 East Colfax Avenue Aurora, Colorado 5480 ft above sea level
Chicago	9120 W. Madill Avenue Franklin Park, Illinois 600 ft above sea level
Houston	1100 Bingle Road Houston, Texas 60 ft above sea level
Phoenix	1721 W. 10th Pl. Tempe, Arizona 1100 ft above sea level

The laboratory in Denver is a permanent facility containing about 20,000 square feet of office and laboratory area. The facility is situated six miles to the east of Denver. Testing under the contract was performed in an area of the facility containing about 7,000 square feet. Ambient air temperatures within this portion of the building are maintained through the use of L-P gas heaters and evaporative coolers.

The other facilitiies were established and maintained on a temporary basis. The Chicago facility, situated about one mile from the northwestern boundary of Chicago, contained 8,000 square feet of office and laboratory area. Vehicle storage (soak) and testing area ambient air temperatures were controlled by unit gas heaters provided with the building and portable 3 1/2 ton air refrigeration units supplied by ATL. Six of these refrigeration units were available for use. The Houston facility was situated in the northwest part of the city of Houston and contained 8,000 square feet of office and laboratory area. Ambient air temperatures of the soak area and in the vicinity of the vehicle under test were maintained by gas unit heaters and the air refrigeration units described above. The Phoenix facility contained 8,000 square feet of office and laboratory area and was situated about one mile to the east of the Phoenix city limit. Vehicle operation on the dynamometer provided the bulk of the necessary heat. A gas unit heater provided the balance. When cooling was required, permanently installed evaporative type air coolers were utilized.

2.4.2 Constant Volume Samplers

One set of test equipment was used in the course of the Chicago, Houston and Phoenix phases of the study. This equipment was moved from site to site. In the Denver phase, a second set of test equipment was used. This equipment is permanently installed at the Denver site.

Two constant volume samplers (CVS) were used. Each was designed and constructed by Automotive Environmental System, Inc. (AESI) of Westminister, California. The units are of the positive displacement pump (PDP) type, nominally air flow rated at 325 cubic feet per minute and equipped with gas to water heat exchangers. Each is of six bag (three sample and three background) design. The plumbing and electrical flow systems were modified from AESI's conventional Model 1000 design to facilitate semi-automated sample bag purging and evacuating functions. Automated sampling system leak-check features were also incorporated into the units. Each unit meets the current 40 CFR 86 requirements for constant volume samplers.

2.4.3 Emission Analysis Consoles

Consoles for measuring both mass (CVS dilute) and raw (tailpipe) emissions in the exhaust were utilized. The two console sets, each of which included a system for measuring dilute and a system for measuring tailpipe emissions, were designed and constructed by ATL. A third console, also designed and constructed by ATL, was used for measuring diesel hydrocarbon emissions in Phoenix. These consoles and the system which acquires data from console analytical and other testing equipment are described below.

2.4.3.1 Mass (CVS Dilute) Emission Analysis Consoles - The mass emission analysis consoles were designed to meet both the current 40 CFR 86 requirements for emissions analytical systems and the dilute modal emission measurement requirements specific to the study. The ATL designation for the consoles used are "B" console and "D" console. The B console was used in the Chicago, Houston and Phoenix phases; D was used in Denver. Analytical instruments contained in the consoles are as described below with B and D console locations as noted.

Beckman Model 315 B NDIR CO Analyzer
(B), Operations Ranges:

0-0.3%	5 1/4" cell
0-3%	1/8" cell
0-5%	1/8" cell

Bendix Model 8501 NDIR CO Analyzer
(D), Operational Ranges:

0-0.3%	2" cell
0-3%	3/4" cell
0-5%	3/4" cell

Bendix Model 8501 NDIR CO Analyzer
(B&D), Operational Ranges:

0-100 ppm	11 1/4" cell
0-500 ppm	11 1/4" cell

Beckman Model 315 B NDIR CO_2 Analyzer
(B), Operational Ranges:

0-4%	1/8" cell
0-8%	1/8" cell

Beckman Model 864 NDIR CO_2 Analyzer
(D), Operational Ranges:

0-4%	1/8" cell
0-8%	1/8" cell

Beckman Model 400 FID HC Analyzer
(B&D), Operational Ranges:

0-50 ppm C
0-100 ppm C
0-300 ppm C

Beckman Model 400 FID HC Analyzer
(B&D), Operational Ranges:

0-1,000 ppm C
0-3,000 ppm C
0-10,000 ppm C

Thermo-Electron Model 10A CL NO-NO_x Analyzer
(B&D), Operational Ranges:

0-100 ppm
0-250 ppm
0-1,000 ppm
0-2,500 ppm

All plumbing in the sampling and calibration system of the analytical console including the sample, calibration and zero gas lines, the CVS and all valves and fittings is of stainless steel or teflon contruction.

Operation of the emission analysis consoles was such that sample readings were generally obtained in the upper two-thirds of the respective analytical instrument range. Separate gases were used to span the instruments at nominally 80 percent of full scale for each of the operating ranges.

2.4.3.2 Raw (Tailpipe) Exhaust Emission Analysis Consoles - Separate emission analysis consoles, also designated "B" and "D", were used for the tailpipe emission tests. The consoles were equipped with the following emission measuring instruments:

Thermo Electron Model 10B CL NO-NO_x
Analyzer (B&D), Operational Ranges:

0-100 ppm
0-250 ppm
0-1,000 ppm
0-2,500 ppm

Horiba Model GSM-300A NDIR HC and CO
Instrument (B), Operational Ranges:

0-200 ppm C_6
0-2,000 ppm C_6
0-0.5% CO
0-10% CO

Chrysler Model III C NDIR HC and CO
Instrument (D), Operational Ranges:

0-300 ppm C_6
0-2,000 ppm C_6
0-0.5% CO
0-10% CO

Sun Model EPA-75 NDIR HC and CO
Instruments (B&D), Operational Ranges:

0-500 ppm C_6
0-2,000 ppm C_6
0-2.5% CO
0-10% CO

These instruments were modified to provide a more positive indication of the range in use. The modification consisted of the installation of color-coded lights. The color of these lights corresponded to the color-code of the meter scale in use. On each instrument, a separate span HC/CO gas was used.

2.4.3.3 Diesel Exhaust Emission Analysis Console - The console used to measure hydrocarbon emissions from the diesel-powered vehicles in Phoenix contained a Scott Laboratories, Inc. dilution air filtration system and the following analyzer:

Beckman Model 402 FID HC Analyzer
Operational Ranges:

0-300 ppm C
0-1,000 ppm C
0-3,000 ppm C
0-10,000 ppm C

The detector of this analyzer and the associated filter and sample line were operated at a temperature of 375°F for the diesel hydrocarbon emission tests. The output of the analyzer was displayed continuously on a Texas Instrument Model Servo/Riter II, crossover pen, 10 inch, strip chart recorder and integrated over each test segment by the data acquisition system described below.

All plumbing in this analytical system is of stainless steel construction.

2.4.3.4 Data Acquisition System - In conjunction with the mass emission analytical console and other test equipment, a data acquistion system was used at each site. Each system (B and D) is comprised of a Data General NOVA-2 computer, a Model ASR 33 Teletype and strip chart recorders. The "B" system is equipped with 2 channel Texas Instruments Model Servo/Riter II, crossover pen, 10 inch, strip chart recorders. A single 8 channel Brush Instruments Model 481, dedicated pen, 15 inch strip chart recorder was used in connection with the "D" system. System software provides for computer integration of analyzer outputs on both a bag and modal basis. These integrated readings are printed-out by the ASR 33 teletype. Permanent recordings of the outputs are obtained by the strip chart recorders.

2.4.4 Laboratory Standard Calibration Gases

"B" and "D" complements of laboratory standard calibration gases were utilized to establish analytical system responses. Each gas in the complement is traceable to EPA standards. Certain CO gases in the B complement,

used in the Chicago, Houston and Phoenix phases (in this order) of the program were replaced or renamed as appropriate. Gas complement concentrations (reflecting the changes) are provided in the following table.

HC (ppm C)		**Propane in Zero Grade Air**	
26.5	**143.1**	**930.0**	**4780.0**
27.0	**148.1**	**942.4**	**4940.8**
46.4	**277.9**	**1401.4**	**7310.0**
49.6	**292.3**	**1422.0**	**8568.3**
94.4	**481.0**	**2759.1**	
98.3	**497.1**	**2868.0**	

NO_x (ppm)		**Diluent-Zero Grade Nitrogen**	
48.0	**111.5**	**439.0**	**1181.5**
53.2	**131.8**	**512.2**	**1347.0**
90.0	**219.3**	**637.0**	**2355.6**
97.0	**245.1**	**906.2**	**2447.0**

CO_2 (mole %)		**Diluent-Zero Grade Nitrogen**	
.406	**1.410**	**2.780**	**5.572**
.414	**1.560**	**2.812**	**5.620**
1.000	**1.956**	**3.590**	**7.250**
1.010	**1.990**	**3.610**	**7.331**

CO (mole %)		**Diluent-Zero Grade Nitrogen**	
.502	**1.290**	**2.744**	**4.533**
.524	**1.296**	**2.750**	**4.800**
.781	**1.989**	**3.760**	**7.274**
.830	**2.030**	**3.851**	**8.985**

CO (PPM)		**Diluent-Zero Grade Nitrogen**	
10.4	**48.0**	**144.6**	**1088.0**
11.0	**49.2**	**159.7**	**1311.0**
12.0	**56.4**	**250.4**	**1326.5**
23.2	**66.0**	**251.3**	**2001.0**
25.8	**70.5**	**350.3**	**2127.4**
26.7	**74.5**	**358.1**	**2555.0**
36.4	**88.8**	**472.8**	**2748.6**
37.1	**93.7**	**490.7**	
37.8	**95.0**	**944.0**	

2.4.5 Chassis Dynamometers

Two chassis dynamometers were used in the course of the program. One (the B dynamometer) was used in the Chicago, Houston and Phoenix sites; the other (D), in Denver. Each of the dynamometer roll sections is a Clayton Model ECE-50. The ECE-50 model has two 78" long continuous drive wheel rolls which are 8 5/8" in diameter. Axial spacing between the two rolls is 17.25". These units are each equipped with a 50 horsepower water brake absorption unit and the corresponding torque bridge (solid state) and power and speed display unit. A Clayton 1,750 to 5,500 lb direct drive flywheel assembly was used in conjunction with each roll unit. The flywheel assembly is adjustable in 250 lb increments from 1,750 lbs to 3,000 lbs and in 500 lb increments from 3,000 lbs to 5,500 lbs.

The dynamometer used in Chicago, Houston and Phoenix was mounted above the floor by means of a single I-beam support frame. Vehicle access was accomodated by two sets of trussed entrance/exit ramps. The orientation of these ramps was such that both rear and front-wheel drive vehicles were level, or nearly level, when situated for testing. A towing cable and non-test vehicle provided the means for pulling the vehicle up the ramps.

2.4.6 Sealed Housing for Evaporative Determination

The evaporative emission tests conducted in Denver were performed using the Sealed Housing for Evaporative Determination (SHED) technique. The SHED is primarily of aluminum construction. Five expansion panels or windows each of 2 feet by three feet dimensions are situated in the back and one of the side walls of the enclosure. The door of the enclosure is also designed to act as an expansion panel. These panels are of Tedlar construction. Nominal dimensions of the enclosure are: 21 feet by 10 feet by 8 feet high.

During the tests the ambient air temperature of the enclosure was maintained between 68°F and 86°F. This was accomplished through the employment of two air to water heat exchangers. Each of the heat exchangers is equipped with a radiator from a subcompact automobile and a propeller-type fan. The fan is situated behind the radiator in each unit and both the radiator and fan are contained within a small aluminum enclosure. In this configuration, each unit delivers about 450 cubic feet of air per minute. The units were situated in opposite corners of the SHED with air flow directed along the sides of the enclosure. Water in a closed system was supplied to the radiator in each of the units. The temperature of the supplied water was maintained at 70°F ± 2°F.

Two type J (iron-constantan) thermocouples were installed in the SHED to indicate temperature of the enclosure. One was installed on one sidewall; the other on the opposite sidewall. Each was located along the front to rear midline of the wall, three feet from the floor. The thermocouples were electrically joined to average the enclosure temperatures at these two points.

To heat the vehicle tank fuel during the diurnal or heat-build segment of the test, a 2,000 watt (maximum) heating blanket was utilized. A powerstat was used to control electrical power to the blanket which, in turn, controlled the heat-build rate of the fuel. To monitor the heat-build rate, a type J thermocouple was used. Deployment of this thermocouple was through the fuel tank cap and into the tank. A hole was strategically drilled through the cap to permit the couple to be installed. The area around the lead was sealed. The objective of this installation was to locate the thermocouple junction in the approximate mid-point of the fuel in the tank, but no assurance that the objective was met can be provided. We were able to make reasonably certain, however, that the junction was below the fuel level and not touching the sides or bottom of the tank.

A Beckman Model 400 FID HC analyzer was employed to monitor hydrocarbon concentrations within the enclosure during the test. Full scale ranges of 0-50 ppm C, 0-100 ppm C and 0-300 ppm C were available for use in conjunction with this instrument.

2.4.7 Sulfate Emission Test Equipment

Sulfate emission sampling equipment consisted of a dilution air filtration system and a tunnel. Except for the filters, which are of filter paper and charcoal construction, the filter housing is of stainless steel constructtion. Scott Laboratories, Inc. designed and constructed the filtration system. The tunnel which is the concurrent flow type, is also of stainless steel construction. It was designed by ATL. The overall length of the tunnel section is 12 feet. Its diameter is 10 inches. The sampling system operates as follows:

> Dilution air enters the assembly and is filtered. A particle, a charcoal and a final filter assembly is provided for this purpose. After filtration, the dilution air enters the tunnel where it is combined with exhaust from the vehicle. Vehicle exhaust enters the tunnel through a 4 inch diameter, 90 degree bend elbow. The point at which the exhaust is introduced to the dilution air stream is about 1 and 1/2 feet from the outlet of the dilution air filter box. At this introduction point a mixing orifice is installed. The mixing orifice, of 7 inches in diameter, is situated in the plane described by the 4 inch, 90 degree exhaust introduction tube bend termination. This plane is perpendicular to the round wall of the tunnel. From this mixing plane the diluted exhaust flows to the plane at which it enters the transition piece which reduces stream diameter from the 10 inches of the tunnel to the 4 inches of the CVS collection tube. This transition is made in about 1 and 1/2 feet. The only obstruction from the mixing point to the start of the transition piece is the sample probe. The CVS collector tube, also of stainless steel construction, carries the dilute exhaust into the CVS. During sulfate testing, dilution air from the CVS filter box is closed off by means of a flapper valve that is pneumatically activated. Beyond the flapper valve, dilute exhaust flow within the CVS is normal. The tunnel and remote dilution box is merely an extension of normal flow paths within the CVS.
>
> The sample probe is a 1/2 inch diameter stainless steel tube. This tube faces upstream and originates about 10 feet from the dilution air-

exhaust mixing point. From its point of origin the tube runs parallel to the tunnel for about five inches, makes a 45 degree bend, continues another 3 inches, makes another 45 degree bend and passes through the tunnel wall. Immediately outside the tunnel wall, the filter assembly, which holds a one micron, 47 millimeter diameter "Fluoropore" filter, is situated. The sulfuric acid is collected on this filter. From this point the filtered sample continues through an on-off valve, a pump, a flow control valve, a flowmeter and a dry gas meter. The on-off valve is used to start and stop sample flow at the beginning and end of the test. The pump moves sample through the filter. The flow control valve is used to regulate the sample stream at (or near) isokinetic flow (as determined by tunnel flow velocity). This valve is manually adjusted frequently and as necessary during the test. The dry gas meter is used to totalize sample flow during the test.

Sulfate emission analytical equipment consisted of a Waters Associates Model 440 Absorbance Detector and a Waters Associates 6,000 psi chromatography pump. A high pressure stainless steel selector valve was used in conjunction with this equipment. Detector output was recorded on a Texas Instruments Servo/Riter II 10 inch recorder. During sampling, the recorder was operated at a chart speed of 1.5 inches per minute. A precision planimeter was used to determine areas under the recorded absorbance detector outputs. The EPA supplied the basic analytical procedure (EPA Barium Chloranilate Procedure). These procedures were modified to suit ATL's operation with the aid of a Denver area chemist.

2.4.8 Miscellaneous Equipment

To assist the driver in following the speed/time profiles of the various tests, an Esterline Angus Model L1102S strip chart recorder was employed. This model is a dual channel, dual pen crossover, heat stylus recorder with a 10 inch chart. The chart was calibrated for 0 to 100 mph speeds. The required driving schedule is supplied to the leading recorder stylus by the data acquisition system's NOVA 2 computer. The lagging pen is electrically coupled to the speed signal generator of the dynamometer. The latter provides a permanent record of actual speeds at which the vehicle is operated during the entire test.

The Federal Test Procedure, the Highway Fuel Economy Test and other procedures require the use of an engine cooling fan during testing. A Hartzell Model N24DW fan was used to meet this requirement. This is a fixed speed, 5,245 cfm propeller-type fan.

Continuously recorded measurements of the soak area, wet/dry bulb and CVS sample temperatures were required. Several Rustrak Model 288 strip chart recorders were utilized to make these measurements. The Model 288 recorders have an accuracy of ± 1°F and were supplied with ranges of 30°F to 80°F, 50°F to 100°F, and 100°F to 150°F to fulfill the respective needs.

During dynamometer operations, a ratcheting-type winch was employed to prevent vehicle rocking on the rolls. Wedge type wheel chocks were also used. To prevent tire slippage on the rolls, a rubber belt dressing was applied to the drive wheels immediately prior to the cold start portion of the test.

Mechanic hand tools and Sun Electric Company timing lights, dwell meters and tachometers were used to measure engine parameters as required after the tests.

2.5 EQUIPMENT QUALIFICATION, CALIBRATION AND CROSS CHECK

To ensure the validity of test data, a quality assurance program was implemented and observed throughout the testing phases at each of the sites. Included in the program were requirements for both initial and periodic calibrations of equipment used in the tests and periodic verifications of these calibrations in the interim periods. Specifications for performance of the equipment items and the frequency at which they were to be checked were provided in the contract.

2.5.1 Constant Volume Sampler

The constant volume sampler was subjected to a complete check-out and flow calibration prior to test start-up at each of the sites. A Meriam Model 50 MC2-6F laminar flow element with a rating of 1,000 cfm at 8" H_2O was used as the flow standard in the initial calibration at each site. Calibration of this element was performed by the National Bureau of Standards (NBS) at its Nunn, Colorado facility.

In the conduct of the initial calibration, CVS air flow, measured using the laminar flow element on the inlet side of the mass pump (CVS blower), was controlled by throttling. Blower flow rates were measured at five incremental changes in blower differential pressure on each side of the normal operating point. Flow rates at a total of ten points were measured. Auxiliary devices employed in the calibration included a mercury barometer to measure absolute ambient pressure, a close tolerance mercury thermometer to measure blower inlet air temperature, a U-Tube water manometer to measure pressure drop across the blower and blower inlet pressure and a close tolerance inclined water manometer to measure pressure drop across the laminar flow element. Once this calibration was completed, data from these devices were computer processed, the mid-range blower operating pressures were selected and the mid-range absolute blower flow rate was determined. Propane recovery tests were then performed to verify the accuracy of the flow calibration.

Integrity of the flow calibration and the respective portion of the sample system was subsequently checked on a daily basis through utilization of propane recovery. Up to 20 grams of instrument-grade propane were metered into the CVS such that the injected amount yielded a propane recovery concentration in the upper one-third of the 0-300 ppm C FID range. Metering was performed by the bomb weight loss technique. A triple beam balance, accurate to 20 milligrams, was used for this purpose.

Recovery of the propane was specified within ± 2 percent of the injected amount. If outside this range, testing was suspended until the condition causing out-of-tolerance recovery was corrected. Subsequent to this, two consecutive successful recoveries were performed before testing was resumed.

2.5.2 Emission Analysis Console

2.5.2.1 Mass (Dilute) Exhaust Emission Analysis Console - Complete calibrations of the mass emission analysis console instruments were performed at each site initially and checked each week thereafter until testing in the respective site was completed. Calibration curves for the emission analysis console CO, CO_2, HC and NO_x instruments were established using the gases listed under 2.4.4 of this report. The CO and CO_2 instruments were calibrated at seven somewhat evenly spaced points (zero and six upscale points) across each operating range. Calibrations of the HC and NO_x instruments were performed at three somewhat evenly spaced points (zero and two upscale points) across each operating range. Calibration of these instruments was established and maintained within one percent of full scale for each range, respectively, or five percent of the measured value, whichever was smaller. A computer program provided by the EPA was used in the generation of the calibration curves.

In connection with each test it was required that the CVS sample bags be purged with nitrogen, evacuated and leak-checked. These operations were performed in a bag evacuate, N_2 purge, evacuate and leak-check sequence by means of a rotary switch and peripheral devices located within the CVS. Switch actuation was provided by various pressure and time signals which are incorporated into the controls to indicate satisfactory completion of the given operation. A leak in the system is indicated by a pressure drop across a small orifice which indicates flow. The orifice is monitored by a differential pressure transducer which activates both audible and visible alarms in the presence of flow. The sensitivity of these devices was checked daily in connection with other of the quality control activities.

Other activities included zero and span point sets immediately prior to exhuast sample analysis and zero and span point verifications immediately following exhaust sample analysis. Strip chart recorders were operated through the zero and span set point calibration verification sequence. Verification tolerances were maintained within ± 1 percent (about the set point) of full scale of the range in use. The zero and span set point calibration verification tolerance for the modal measurements (steady states and Surveillance Driving Sequence) was ± 2 percent (about the set point) of full scale. Converter efficiency of the NO_x converter was maintained above 90 percent. The noise level of analyzer outputs as indicated on the strip chart was maintained within ± 0.5 percent of full scale for the range used during both calibration and analysis.

2.5.2.2 Raw (Tailpipe) Exhaust Emission Analysis Console - The NO_x instrument used in the tailpipe emission analysis console was calibrated using the same gases, calibration points, tolerances and verification frequency described above in connection with the NO_x instrument used in the mass emission test console. Efficiency of this tailpipe NO_x instrument thermal converter was not maintained. In order not to contaminate the NO_x converter tailpipe readings were ~~taken~~ in the NO measurement mode.

The tailpipe HC/CO measurement instruments was operated in accordance with the manufacturer's recommendations except that these instruments were zeroed on nitrogen and HC and CO span-point calibrated with appropriate gases immediately prior to each test.

2.5.2.3 Diesel Exhaust Emission Analysis Console - The Beckman Model 402 heated FID used for measuring hydrocarbon emissions from the diesels in Phoenix was calibrated using those procedures described above in connection with the hydrocarbon instrument of the Mass Exhaust Emission Analysis Console. This instrument was operated in accordance with the manufacturer's prescribed procedure.

A propane recovery test was conducted on the console each day the instrument was scheduled for use. Recovery of the propane was maintained within ± 2 percent of the injected amount. The console was also leak-checked each day.

2.5.2.4 Data Acquisition System - Digital outputs from the data acquisition system were checked for proper alignment with the mass emission analysis console instruments on a daily basis. Alignment of the data acquisition system digital outputs with the analog outputs of the analyzers as displayed by the pens of the strip chart recorders was accomplished by standardizing to a digital voltmeter. Separate digital voltmeters are installed in the console to monitor each analyzer.

2.5.3 Chassis Dynamometer

A complete calibration of the dynamometer was performed at each site initially. In this initial calibration the power and speed meters were calibrated first using the manufacturer's recommended calibration kit and procedures. The speed meter was calibrated using the kit's strobe light on the idler roll and the power meter was calibrated using the known kit weights that were applied to the water brake torque arm. Using the coast-down technique an indicated versus actual horsepower calibration was subsequently performed. This coast-down calibration was conducted at each dynamometer flywheel assembly inertia weight using the following two indicated horsepower (IHP) settings:

$$HP_1 = HP_o - 2.5 \pm 0.5$$
$$HP_2 = HP_o - 2.5 \pm 0.5$$

where HP_o is the IHP determined from a previous coast-down.

This procedure brackets the IHP associated with a given inertia weight from a prior coast-down and reduces the requirement for lengthy multiple point calibration. The tolerances for these calibrations were such that each IHP vs actual horsepower (AHP) inertia weight curve was within one horsepower of all other IHP vs AHP inertia weight curves for the given dynamometer.

Dynamometer calibration was confirmed each two weeks thereafter until testing in the respective site was completed. Only the strobe-light and the coast-down technique were employed to confirm calibration.

Speed calibration of the driver's aid was performed as required and confirmed on an individual test basis. Prior to the test, the dynamometer was driven at 50 miles per hour as indicated by the dynamometer speed meter. The driver's aid recorder was adjusted accordingly. Subsequent to the test the speed calibration was verified. The tolerance for this verification was ± one mile per hour of the set-point. A non-test vehicle was used for these purposes.

2.5.4 Sealed Housing for Evaporative Determination

SHED tests were conducted relative to ATL's involvement only in the Denver site.

The FID used in connection with the SHED tests was calibrated first. This instrument was zeroed on zero grade prepurified air and calibrated at two upscale points (ie, 45% and 90% of full scale) on each of the ranges used. The C_3 hydrocarbon gas standards listed in 2.4.4 were employed for this calibration. Curve fit tolerances and verification frequency were the same as those applied to the mass emission analysis console instrument.

The SHED was subjected to a background hydrocarbon check, a calibration and a retention check prior to the first vehicle test.

The background check was performed by sealing the enclosure and allowing it to remain sealed for a period of four hours. Initial and final hydrocarbon readings were taken. The background emission rate was acceptable in that the background emission level was less than the maximum increase, as defined in 41 Federal Register 164, of 0.4 grams for the four hours.

The SHED was calibrated by first purging with fresh air and then sealing the enclosure. Approximately 4 grams of pure propane was injected into the enclosure after the enclosure was sealed. The heat exchanger fans were operating during this injection. After five minutes of mixing, the hydrocarbon level of the enclosure was measured and the propane recovered was calculated. The tolerance for the calculated recovery was maintained within ± 2% of the injected amount.

The propane retention check was performed following the calibration. In this check the SHED was allowed to remain sealed for a minimum of four hours with the mixing blowers operating. At the end of this period the hydrocarbon level of the enclosure was measured and the propane remaining in the SHED was calculated. For this check the retained propane is to be within ± 4 percent of the initial recovered amount as calculated.

The SHED calibration and retention tests were performed each thirty days thereafter until the SHED tests were completed.

2.5.5 Sulfate Emission Test Equipment

Sulfate emission testing is not a standardized procedure. Consequently, several tests were necessary to initially qualify the equipment.

The sampling system of the sulfate tunnel was calibrated through the employment of a laminar flow element. A Meriam Model 50 MJ 10 with a rating of 8" H_2O pressure drop at 3.3 cfm was used. In performing this calibration, sample system air flow, measured at the inlet to the sample pump, was controlled around the isokinetic flow point by throttling. An approximation of this flow point was obtained by calculation given the tunnel and sample probe areas and the flow rate of the CVS. Several measurements were taken on each side of the calculated point. Auxiliary devices used in these measurements included a mercury barometer to measure absolute ambient pressure, a close tolerance mercury thermometer to measure laminar flow element inlet air temperature, a precision inclined water manometer to measure pressure drop across the element and sample pump inlet pressure, a stopwatch to indicate time and the dry gas meter to totalize flow. When the multipoint calibration was completed, data from the devices were processed and the actual point at which flow was isokinetic was selected. A rotameter was used during testing to monitor and maintain isokinetic flow.

Another test conducted on the tunnel was a transverse propane test. A high concentration of propane (9,000 ppm C_3 in air) was injected at a constant rate into the 90 degree bend where exhaust gas from the vehicle enters the tunnel. A sample was taken using the HC FID instrument, the output of which was displayed on a strip chart recorder. The sample was taken in the vicinity of the isokinetic probe. As the propane concentration was injected, the probe connected to the FID was slowly moved across the diameter of the tunnel. While there are no specifications for this test, the mixing characteristic of the tunnel was regarded as being satisfactory if the hydrocarbon concentration varied no more than ± 1 percent as the probe was slowly moved across the diameter of the tunnel in both directions.

As a final check on the entire tunnel, a propane recovery test was performed. This test was conducted in the usual manner except that the CVS bag sampling system was connected to the isokinetic probe. Tolerance on the recovery was maintained at ± 2 percent of the injected amount. A propane recovery test was conducted in this manner initially and each week thereafter until sulfate testing was completed.

The sulfate analysis system was calibrated with known concentrations of ammonium sulfate solutions. Five standard solutions were used to cover the expected range of analysis. This calibration was conducted initially and each two to three weeks thereafter until the sulfate tests were completed.

2.6 TEST PROCEDURES

The tests were conducted in the following order:

- Sulfate Emission Test (if applicable)
- Diurnal Segment of the Evaporative Emission Test (if applicable)
- Federal Test Procedure
- Hot Loss Segment of the Evaporative Emission Test (if applicable)
- Vehicle Preconditioning (if applicable)
- Highway Fuel Economy Test (if applicable)
- Modal Emissions Test (if applicable)
- Federal Short Cycle Test (if applicable)
- New Jersey ACID/New York Short Test Composite (if applicable)
- New York City Cycle (if applicable)
- Clayton Key Mode Test (if applicable)
- Two Speed Idle Test (if applicable)
- Federal Three Mode Test (if applicable)
- Revised Federal Three Mode Test (if applicable)

These tests and the vehicle and equipment preparation procedures that preceeded the tests are described in paragraphs that follow.

2.6.1 Vehicle Preparation

Following vehicle acceptance procedures, the as-received fuel of the test vehicle was drained and refilled with the appropriate test fuel to 40 percent of tank capacity, except on those vehicles scheduled for the Sulfate Emission Test. Unleaded Indolene Clear fuel was added to vehicles that required unleaded fuel as specified by the manufacturer. Leaded Indolene 30 fuel was added to all other test vehicles. Additional fuels were used in the Denver area for vehicles scheduled to receive the Evaporative Emission Test. Fueling of these vehicles is described below. In the 1975 and 1976 model-year vehicle defueling process, a sample of the fuel was retained for lead analysis. This analysis was performed on-site using a Science Essentials Operations fuel lead test kit (Mobil Method 1125-74). The kit contains a chemical reagent, an ultra-violet light source to accelerate the reaction between the fuel and chemicals supplied with the kit and a colorimeter to measure color changes in the treated sample attributed to the various lead levels of the fuel samples. The kit has a sensitivity of about 0.001 grams lead/gallon of fuel and a 0.10 grams lead/gallon full scale.

Vehicles scheduled for sulfate testing were preconditioned in accordance with a prescribed procedure and the Sulfate Emission Test was conducted. These vehicles were drained of as-received fuel after the sulfate test was completed and refueled using the appropriate test fuel to 40 percent of tank capacity. An as-received fuel sample was taken from each vehicle and subjected to the lead test. A second as-received fuel sample was taken from each vehicle and subjected to a sulfur test. Sulfur content of the removed fuel was used in the sulfate emission calculations. ASTM method D1266 (lamp turbidimetric) was the procedure by which the fuel sulfur content was determined. Hauser Laboratories, Inc. of Boulder, Colorado, performed this analysis on the fuel samples taken.

On the twenty Denver area vehicles scheduled for the Evaporative Emission Test, as-received fuel was drained from the vehicles. Since some of these vehicles were also subjected to the Sulfate Emission Test, this draining operation took place after the sulfate test was completed. Fuel samples for lead and sulfur analysis were taken as part of the draining process, as applicable, relative to these vehicles. The drained tanks were then refilled with an appropriate locally available commercial fuel to 40 percent of tank capacity. These vehicles were then subjected to the remainder of the preconditioning procedures and retired to begin the temperature stabilization period which precedes the full Federal Test Procedure. Following the first round of tests on these vehicles, the Commercial fuel was drained from the tank and the appropriate Indolene fuel was added to 40 percent of tank capacity. The remainder of the preconditioning procedures were then completed and the vehicles were put into soak. The second round of tests followed this soak interval. Testing on eighteen of the twenty vehicles were then completed. The remaining two vehicles were subjected to two additional rounds of evaporative and exhaust and emission tests. The third round, a replicate of the first, was conducted using a fresh charge of the Commercial fuel used in the first test. The fourth round was a replicate of the second round using a fresh charge of the Indolene fuel used in the second round. Prior to each round the tanks were drained and recharged with the respective fuel to 40 percent of tank capacity. Subsequent to the recharge, the remainder of the preconditioning procedures were completed and the vehicles were retired to begin the soak interval.

Vehicle preconditioning, which followed the addition of test fuel, consisted of a minimum of 10 minutes of road operation. Such operation was included for two purposes: to purge non-test (either as-received or prior test) fuel from the vehicle fuel system and; to reveal any vehicle operational difficulties. Operational difficulties were documented for the benefit of the test vehicle operator for his later reference in conducting the cold start FTP and subsequent tests.

Following the preconditioning part of the vehicle preparation procedures, the vehicle was immediately driven to the soak area of the facility and shut-down to begin the temperature stabilization portion of the Federal Test Procedure. Documentation of ignition key-off time was part of the shut-down procedure.

2.6.2 Equipment Preparation

Each facility was operated six days per week and three shifts per day. Two of the three shifts were devoted exclusively to vehicle testing; the third was set aside for equipment checks although any available time was also utilized for testing. With the exception of the work shift following the seventh day, Sunday, most of the equipment was operated continuously. Little activity that is normally associated with equipment start-up was required. When applicable, however, the following operations were completed.

Prior to the first test of the day and following any shut-down, equipment which had been idle or in a stand-by condition was activated to begin warm-up. This included the CVS water heater and mass pump and each of the analytical instruments. During the warm-up period, sensitivity of the automatic leak check system was checked and a leak check of the tailpipe emission measurement console was performed. Following the warm-up of the respective instruments, efficiency of the NO_x instrument thermal converter was checked and the propane recovery test which involved the CVS sample system and the FID hydrocarbon instrument was conducted. Subsequent to these checks, analyzer outputs, as indicated by the strip chart recorders and the on-line computer and teletype, were checked for standardization. Shortly before the first vehicle test following the shut-down was to begin, the dynamometer was warmed-up. The prescribed 15 minutes of 30 mile per hour operation of the dynamometer was the warm-up procedure. A non-test vehicle, which was ordinarily a pick-up truck used for utility purposes or one of the ATL vehicles provided for personnel transportation was used for this purpose. Following warm-up, the speed calibration of the dynamometer, driver's aid recorder and associated indicating devices were also checked and standardized as necessary. During this daily interval, both scheduled and unscheduled maintenance needs were given the proper attention. These daily needs may have included lubrication and servicing of the mechanical systems of the equipment and tuning, alignment and calibration of the electrical systems of the equipment.

2.6.3 Sulfate Emission Test Procedure

For the purposes of the subject program, the Sulfate Emission Test was a procedure whereby the test vehicle was first preconditioned by operation over the initial 505 seconds of the LA-4 driving cycle and then allowed to idle for 2 ± .5 minutes. Following the two minute idle period the Sulfate Emission Test was begun. During the idle period an additional 5300 cfm fan was started to supply cooling air to the fuel tank. During the test a HC, CO, CO_2, and NO_x gaseous sample was collected in a single CVS bag along with a background sample. Simultaneously, a sulfate sample was collected on the Fluoropore filter using the sampling system described under 2.4.7. Subsequent to the Sulfate Emission Test, the sulfuric acid on the filter was converted to ammonium sulfate through ammoniation in a dessicator, then transported to the Denver facility where spectrophotometric analysis was conducted using the barium chloranilate procedure.

The Sulfate Emission Test was performed on all 1975 and 1976 vehicles operated on unleaded fuel tested in Phoenix, Houston, and Denver. Gasoline samples from each of the vehicles was first tested to ascertain that lead content was below 0.05 grams per gallon of fuel. A value greater than this limit disqualified the vehicle relative to the Sulfate Emission Test but did not disqualify it from the remainder of the Emission Factors Test Sequence.

The actual dynamometer test consists of operation on the Congested Freeway Driving Schedule which covers a distance of 13.5 miles at an average speed of 34.8 miles per hour. The schedule duration is 1398 seconds.

2.6.4 Federal Exhaust Emission Test Procedure

The Federal Exhaust Emission Test was performed on all vehicles at all sites as generally specified in 40 Federal Register 126. The fuel tank heat build was not performed except on the 20 Denver vehicles described under 2.6.5. Prior to testing, the tank of the test vehicle was drained of as-received fuel and filled to 40 percent of volume with test fuel. Immediately before inauguration of the soak period, vehicle fuel systems were purged of any as-received fuel via a ten minute drive on city streets. Soak area temperatures were maintained between 60°F and 86°F for vehicles not receiving evaporative emissions tests. For vehicles undergoing evaporative emissions testing soak area temperatures were maintained between 68°F and 86°F during the first and last hour of soak and 60° to 86° during the intermediate soak interval. Temperature stabilization periods were no less than 12 hours and no longer than 20 hours.

Starting procedures and manual transmission shift speeds during the test conformed to specifications outlined by the manufacturer.

The Federal Test Procedure consists of three individual segments. The cold transient portion covers a distance of 3.59 miles at an average speed of 25.6 mph. Its duration is 505 seconds. The cold stabilized portion covers 3.86 miles at an average speed of 16.0 mph. Its duration is 869 seconds. The hot transient portion has a duration of 505 seconds. It is preceded by a 10 minute soak and covers 3.59 miles at an average speed of 25.6 mph.

2.6.5 Evaporative Emission Test Procedure

Evaporative Emission Tests were performed on 20 selected vehicles at the Denver test facility. Of these, 18 received two tests. The first was conducted using commercially available fuel. The second was conducted using Indolene test fuel. The remaining two vehicles underwent four tests each. The first two were as performed on the 18 vehicles described above; the second two were paired replicates of the first.

SHED evaporative emission tests were performed in general accordance with 41 Federal Register 164, although preconditioning was a 10 minute drive as opposed to the dynamometer UDDS schedule prescribed in the register.

2.6.6 Highway Fuel Economy Test Procedure

The EPA Highway Fuel Economy Test was run on 44 1976 model-year vehicles (34 passenger cars and 10 light-duty trucks) in Chicago, Houston, and Denver and on the 20 diesel vehicles in Phoenix for a total of 152 vehicles.

Starting with the vehicle in a warmed-up condition (at least 7.5 miles of cyclic operation having occured within the last thirty-five minutes), the vehicle was preconditioned on the dynamometer at 50 mph for a period of three minutes. Within one minute after the end of this period the vehicle was brought to idle and the test was begun. The HFET is a CVS test during which the vehicle is operated over the 10.2 mile, 765 second HFET driving schedule. HFET emission results were computed using standard calculations. Fuel economy was calculated from these results using the carbon balance equation. Load settings, inertia weights, and manual transmission shift speeds are identical to those of the Federal Test Procedure.

2.6.7 Modal Exhaust Emission Test Procedure

Modal exhaust emission measurements were made on 44 1976 model-year vehicles (34 passenger cars and 10 light-duty trucks) in Chicago and Houston, on the 20 diesel vehicles in Phoenix, and on all 200 vehicles tested in Denver. These measurements were taken during the course of two separate tests. Each was preceded by a soak period no longer than 20 minutes from the last sustained vehicle operation. Prior to each test, the vehicle was preconditioned by operation for three minutes at 50 miles per hour on the chassis dynamometer. Within one minute of the end of this preconditioning the vehicle was returned to idle and the test was started.

The first test in the sequence consisted of vehicle operation at seven constant speed conditions; idle, 5 mph, 10 mph, 15 mph, 30 mph, 45 mph, and 60 mph, in this sequence. During each of these modes the vehicle was brought to operating speed and dilute exhaust was monitored by the analytical system and strip chart recorders until both the emission readings and vehicle had reached a stable condition for 30 seconds. At this point sampling into CVS bags was initiated and continued for three minutes. Strip chart recorders were allowed to run through the three minute bag sampling period. At the end of the three minute period, sample was drawn out of the bag and analyzed.

Following the steady state test, the vehicle was again preconditioned, brought to idle and operated at idle for one minute. During the final 30 seconds of this period, dilute idle exhaust was directed through the analytical system and recorded. At the end of the idle period the driving schedule and CVS bag sampling was initiated.

The Surveillance Driving Sequence is a vehicle operational schedule of 1054 seconds which covers 9.789 miles. It is comprised of constant speeds of idle, 15 mph, 30 mph, 45 mph, and 60 mph. These cruise periods are separated by accelerations and decelerations of various rates. Each constant speed and the accelerations and decelerations separating them are individual modes. Thirty-two accelerations and decelerations along with thirty-three steady states make up the total sequence. During the sequence a dilute sample was collected in the CVS bag. This sample was also continuously monitored by the analyzers and recorded on strip charts. The on-line data acquisition system performed a modal integration of each analyzer output during the course of the test. Contents of the CVS bag were also analyzed at test completion.

Dynamometer loads, inertia weights and transmission operation for this test are as specified for the Federal Test Procedure.

2.6.8 Federal Short Cycle Test Procedure

The Federal Short Cycle Test was performed on all vehicles tested in Chicago and Phoenix excluding the diesel-powered vehicles.

The Federal Short Cycle is a nine mode CVS mass emission test of 125 seconds which covers 0.7536 miles. Inertia weight, horsepower loads, and manual transmission shift speeds for this test are as prescribed for the Federal Test Procedure. This test was preceded by a six minute preconditioning period during which the engine compartment was open and the engine cooling fan was on. Three minutes into this period the engine was started and allowed to run at idle during the remaining three minutes. At the end of this preconditioning period, the test was begun.

The vehicle hood was open and the auxiliary engine cooling fan was in operation during the test.

2.6.9 New Jersey ACID/New York Short Test Procedure

The New Jersey ACID/New York Short Test was conducted on each of the 517 vehicles tested in Chicago and on 103 vehicles tested in Phoenix.

This is a 6 mode CVS test of 75 seconds duration which follows the driving cycle listed below:

Mode	Time in Mode (secs.)
Idle	22
0-30 mph	15
30 mph	15
30-10 mph	12
10 mph	7
10-0 mph	4

For this test the dynamometer is set to the 3,000 lb inertia weight setting and 3.5 indicated horsepower at 30 miles per hour. Manual transmission shift points for this test are the same as those of the Federal Test Procedure. This test was preceded by a six minute preconditioning period with the engine compartment open and the cooling fan on. Three minutes into this period the engine was started and allowed to idle the remaining three minutes. At the end of this period the test was begun. A minimum of two cubic feet of dilute exhaust was collected in the sample bag. The test was conducted with the engine compartment open and the auxiliary vehicle cooling fan in operation.

2.6.9.1 New York City Cycle - The New York City Cycle was performed only at the Phoenix site on fifty 1975, fifteen 1971, thirty-five 1970 and fifty 1969 model-year passenger cars. Diesel-powered vehicles were not included.

This is a CVS test of 599 seconds which covers 1.185 miles. The driving schedule associated with the test is a non-repetitive sequence of idle, acceleration, cruise and deceleration modes. Prior to the test the engine was shut-down for a period of three minutes, started, and allowed to idle for an additional three minute period. At the end of the period the driving schedule and exhaust sampling were begun. Dynamometer load, inertia weight and transmission operation are identical to those of the Federal Test Procedure. The engine compartment was open and the auxiliary cooling fan was in operation during the test.

2.6.10 Clayton Key Mode Test Procedure

This test was performed on each vehicle in the Chicago sample and all gasoline-powered vehicles in the Phoenix sample.

Clayton Key Mode Test Conditions

Vehicle Class (lbs)	Transmission Range/Gear	Meter Dyno Load hp @ mph	High Cruise (mph)	Low Cruise (mph)	Idle
2000 to 2800	Drive or Third	15 @ 38	36-38	22-25	Automatic Transmission in Drive
2801 to 3800	Drive or High	24 @ 46	44-46	29-32	
3801 and up	Drive or High	30 @ 50	48-50	32-35	

The Clayton Key Mode Test involves measurements of undiluted tailpipe emissions. This test was preceded by a six minute preconditioning period during which the engine compartment was open and the engine cooling fan was on. Three minutes into this period the engine was started and allowed to idle the remaining three minutes. Following preconditioning the vehicle was operated for a maximum of three minutes at each of the high cruise, low cruise, and idle speeds with the engine compartment open and the auxiliary cooling fan on. The inertia weight of the Federal Test Procedure was engaged during the test. During this test undiluted tailpipe CO, HC and NO_x measurements were taken after the analyser readings and engine speed were stable for a minimum period of 30 seconds. Prior to this stabilization period the dynamometer horsepower load was set. Clayton Key Mode Test conditions are shown in the Table provided.

2.6.11 Two Speed Idle Test Procedure

This idle test was conducted on each vehicle in the Chicago sample and each gasoline-powered vehicle in the Phoenix sample.

This short test consists of undiluted tailpipe exhaust sampling during two steady state engine operating conditions with the engine compartment open and the auxiliary cooling fan in use. The first operating mode is 2,250 engine rpm with the transmission in neutral. The second mode is normal idle with the transmission in neutral also.

The Two Speed Idle Test was preceded by a six minute preconditioning period with the engine compartment open and the engine cooling fan on. Three minutes into the period the engine was started and allowed to run at idle the remaining three minutes. At the end of preconditioning the engine was operated for a maximum of three minutes at 2,250 rpm and then at idle. At each speed equilibrium of engine rpm and the undiluted tailpipe CO, HC and NO_x readings were maintained before the readings are recorded.

2.6.12 Federal Three Mode Test Procedure

Each vehicle in the Chicago sample and each gasoline-powered vehicle in the Phoenix sample were subjected to this procedure.

The Federal Three Mode Test consists of undiluted tailpipe exhaust sampling during three steady state operating conditions (similar to Clayton

Key Mode Test). Dynamometer loading associated with the test simulates the average power which occurs at the appropriate Federal Test Procedure Speed. For this test all light-duty vehicles are grouped into four weight classes. The test was preceded by the six minute preconditioning, three minutes with the engine off and three minutes with the engine operating at idle with the engine compartment open and the engine cooling fan on. At the end of this period the high speed, low speed and idle mode segments of the test were conducted. The engine compartment was open and the auxiliary loading fan was in use during each segment. Conditions associated with the test are shown in the Table below.

Federal Three Mode Test Procedure Conditions

Vehicle Class (lbs)	Transmission Range/Gear	Mode		
		High Speed Speed @ Act Hp	Low Speed Speed @ Act Hp	Idle
Up to 2500	Drive/3rd	50 @ 21	30 @ 9	Auto. Trans in Neutral and Drive
2501 to 3500	Drive/High	50 @ 26	30 @ 12	
3501 to 4500	Drive/High	50 @ 31	30 @ 15	Manual Trans in Neutral
above 4500	Drive/High	50 @ 36	30 @ 18	

2.6.12.1 Revised Three Mode Test Procedure - This test was conducted on 397 gasoline-powered passenger cars in the Phoenix sample.

This test is identical to the Federal Three Mode Test in preconditioning and sampling. Vehicle operating speeds, dynamometer inertia weights and horsepower loads, however, are different. This test is also run in the order of high speed, low speed and idle. Conditions connected with the test are shown in the Table following.

Revised Federal Three Mode Test Conditions

FTP Inertia Wt	Transmission Range	Actual Horsepower without A/C 52 mph	without A/C 25 mph	with A/C 52 mph	with A/C 25 mph	Idle
1750	52 mph mode in Drive, 4th gear for 4 and 5 speed	10.0	4.0	10.5	4.0	Auto Trans in Drive & neutral
2000		10.5	4.5	11.5	4.5	
2250		11.5	5.0	12.5	5.0	
2500		12.5	5.5	13.5	5.5	
2750	3rd gear for 3 speed	13.0	6.0	14.5	6.0	
3000		14.0	6.5	15.0	6.5	
3500		15.5	7.5	17.0	7.5	
4000	25 mph mode in Drive, 3rd gear for 3, 4 & 5 speed	17.0	8.5	18.5	8.5	
4500		19.0	9.5	20.0	10.0	
5000		20.0	10.5	21.5	11.0	
5500		21.0	11.5	22.5	12.0	

2.6.13 Diesel Exhaust Emission Test Procedures

Tests conducted on the twenty diesel-powered vehicles in Phoenix were as follows.

Federal Test Procedure

Highway Fuel Economy Test

Modal Emissions Test

The Federal Test Procedure for diesel-powered vehicles was conducted in accordance with the light-duty diesel test procedure described in 40 Federal Register 126. This procedure is similar to the FTP for light-duty gasoline-powered vehicles except that a heated FID is used for exhaust hydrocarbon emission measurement. In performing the FTP for diesels, a remote CVS dilution air filter assembly was situated as close to the vehicle tailpipe as possible. The remote filter assembly was used in lieu of the filter installed in the constant volume sample. The heated FID was used to continuously measure exhaust hydrocarbons immediately downstream of the diesel exhaust/dilution air mixing point. These continuous measurements were integrated over each test segment and used in place of hydrocarbon measurements from the CVS sample bag.

For the Highway Fuel Economy Test, the heated FID, remote dilution air box and continuous diesel exhaust hydrocarbon sampling procedures were also used.

Modal Emission Tests on the diesels consisted of the steady state tests and Surveillance Driving Sequence described under 2.6.7 of this report. The heated FID, remote dilution air box and continuous diesel exhaust hydrocarbon sampling procedures were used for these tests, also.

Diesel Exhaust Emission Tests were performed on the twenty vehicles in the as-received state including testing of these vehicles using the as-received fuel.

2.6.14 Daily Test Schedule Procedure

The overall schedule associated with the program was dictated by the equipment and personnel assigned, the tasks to be performed and the time constraints of the contract. These factors, in turn, dictated the daily dynamometer utilization and testing rate.

In the Chicago, Houston and Phoenix phases, tests were performed on a three shift per day, six day per week basis. Work shifts began at 5:00 AM, 1:00 PM and 9:00 PM. Tests were not generally scheduled between the hours of 6:00 PM and 9:00 PM. During this period the daily equipment quality control checks were performed. Weekly and monthly equipment quality control checks were performed during both scheduled and unscheduled breaks in the testing schedule. Any equipment maintenance was also performed on this basis. Testing in the Denver phase was performed at a lesser rate.

Vehicle throughput varied widely due to variations in testing requirements on individual vehicles.

2.7 DATA HANDLING

2.7.1 Data Collection

Many of the parameters associated with vehicle testing were recorded on strip-charts. Included were the temperature of the soak area, wet and dry bulb temperatures of air supplied to the front of the vehicle under test, and temperature of the CVS dilute sample. Barometric pressure was recorded on a seven day circular chart. Recorders monitoring emissions were allowed to run continuously during the calibration and analytical operations. The data General NOVA 2 computer was utilized to collect and integrate analyzer readings during both modal and CVS bag analysis. Other test data were collected and manually recorded.

2.7.2 Data Processing

Data in the form of individual vehicle test packets were shipped from the test site to our Denver facility for processing. Processing of the raw data was performed by both manual and computer operations. A large scale time-share system performed the computer part of the operations. The manual processing consisted of combining data from the raw data sheets with punched data from the on-site NOVA 2 computer into a single punch tape which was fed into the time-share computer. Certain additional manual and computer operations designed to review and edit the data were then performed. Corrections to the computer files were made as necessary. The corrected data were subsequently computer reduced, output and reported. Weekly and monthly reports were submitted.

2.7.3 Data Quality Control Program

Quality of each test result was assured by reviewing the data at certain stages in the collection and subsequent handling processes. In essence, two reviews were conducted; one on-site before the data packets were shipped and the other after the packets were received in Denver.

As part of the on-site review all data relative to the given vehicle were collected and assembled. Included in this assemblage were: all raw data sheets used to identify the vehicle; the vehicle exchange agreements; the completed vehicle-owner questionnaire; all raw data sheets connected with all tests on the vehicle; all analyzer strip-chart recordings and data acquisition system sheets and punch-tapes and all temperature and humidity strip chart records connected with tests on the vehicle or on the group of vehicles (ie, soak area temperature recordings). These materials were then reviewed for completeness and accuracy. This on-site or first level review was performed as soon after test completion as practicable. These procedures were completed before the vehicle was released to its owner except under conditions where the throughput rate was high and a backlog of data developed. The reason for employing this early review was to maintain the necessity of recalling and retesting vehicles at a minimum. On-site review also provided immediate feed-back to test personnel of errors or oversights connected with documentation or procedures. Following this part of the review process all test data relative to an individual vehicle were gathered into a single test packet and shipped to Denver. Soak area temperature traces and other materials common to a group of vehicles were shipped in a separate packet.

Upon arrival in Denver each packet was again reviewed for completeness and accuracy. Appropriate actions were taken relative to omissions or errors up to and including a complete rerun of the test. Data from the raw data sheets were subsequently manually combined with paper tape from the data acquisition system into a single punch tape and fed into the time-share computer. These input data were immediately output in the form of printed copy, proof-read against the original data and corrected within the computer file as necessary.

When the more obvious errors had been corrected and the data files were complete, a computerized edit program was applied to the stored data. This program edits each point for key-punch, logical and tolerance errors as applicable. Errors found at this stage in the process were also appropriately resolved either through contact with site personnel for clarifying information, through reference to test documentation, or by recall and retest.

The corrected data were reduced following the computer editing process and a data "dump" sheet was produced. The dump sheet contained the reduced data in final reportable form. Subsequently, each data point on this sheet was examined for reasonableness by a qualified emission data analyst. Reasonableness was established on the basis of one data point relative to another, a single data point relative to a composite of data points and both single and composite data points relative to the weight, engine size, model-year and other distinguishing features or characteristics of the vehicle.

Errors generally found in the course of on-site review were connected with soak temperature, vehicle test cooling air being out of tolerance and procedural discrepancies (ie, the prescribed span, analyze, span-check procedure was not observed). Errors generally found at subsequent stages were in connection with wrong notations on in-use analyzer ranges and recorder deflections. These were generally resolvable through an examination of analyzer strip chart recordings. Also, a number of inconsistencies were noted early in the program in connection with the vehicle-owner questionnaire. These were resolved through later contact with the vehicle owner and associated clarification of responses. This problem decreased to a minimal level about mid-point in the program. Other errors associated with collecting, keypunching, reviewing and verification of the data were made at the various stages but after personnel became familiar with data forms and procedures these were of a minor nature.

2.7.4 Calculation of Results

Both mass (CVS) and direct tailpipe emission tests were conducted. Results for the mass tests were calculated using Federal Test Procedure (40 Federal Register 126) equations. Mass oxides of nitrogen (NO_x) results were corrected by the standardized FTP absolute humidity factors. Fuel economy data were calculated from mass HC, CO, and CO_2 emission data using EPA's carbon balance equation. Calculations connected with each test are described in paragraphs that follow.

2.7.4.1 Sulfate Emissions - HC, CO, CO_2 and NO_x exhaust emission results for this test were calculated using the associated test distance constant and Federal Register equations. Tank fuel sulfur content was determined by the ASTM D1266 procedure. Sample filter analysis was performed using EPA's Barium Chloranilate Procedure. Using EPA supplied formulae, these values were combined to obtain mass H_2SO_4 emission in milligrams/mile. This emission rate is corrected to 0.030 weight percent sulfur.

2.7.4.2 Exhaust Emissions (Federal Test Procedure) - FTP exhaust emission test results were calculated using 40 Federal Register 126 equations.

2.7.4.3 Evaporative Emissions (Federal Test Procedure) - FTP evaporative emission test results were calculated using 40 Federal Register 126 equations.

2.7.4.4 Highway Fuel Economy - HC, CO, and CO_2 exhaust emission results were calculated using the HFET distance constant and 40 Federal Register 126 equations. Fuel economy was calculated using these mass emission results and the EPA supplied carbon balance equation.

2.7.4.5 Modal Emissions - Mass emissions from each mode of the Surveillance Driving Sequence were calculated using the mass flow rate of the CVS, integrated concentrations of each mode and distance constants of each mode. For idle modes time constants were used and idle mode emissions are reported in grams per minute. Emissions for the entire sequence were calculated from integrated modal concentrations and from CVS bag values using the Surveillance Driving Sequence distance constants and 40 Federal Register 126 equations.

Steady state results were calculated using CVS bag values, calculated distance traveled by the vehicle during steady state operation per increment of time and 40 Federal Register 126 equations. For these tests, also, idle mode emissions are reported in grams per minute.

Fuel economy for these tests was calculated using mass HC, CO and CO_2 emission values and the carbon balance equation. Idle mode fuel economy is reported in minutes per gallon.

2.7.4.6 Federal Short Cycle Emissions - Results for this test were calculated using the Federal Short Cycle distance constant and 40 Federal Register 126 equations.

2.7.4.7 New Jersey ACID/New York Short Test Composite Emissions - Mass emission results for this test were calculated using the test distance constant and 40 Federal Register 126 equations.

2.7.4.8 Clayton Key Mode Emissions - These results consist of tailpipe concentration readings which are reported as measured.

2.7.4.9 Two Speed Idle Emissions - The Two Speed Idle Test procedure tailpipe concentration readings are reported as measured.

2.7.4.10 Federal Three Mode Emissions - This test consists of tailpipe concentration measurements that are reported as measured.

2.7.4.11 Revised Federal Three Mode Emissions - Results from this test are obtained by tailpipe emission measurements which are reported as measured.

2.7.4.12 New York City Cycle Emissions - This is a mass emission test. Results were calculated using the New York City Cycle distance constant and 40 *Federal Register* 126 equations.

2.7.4.13 *Diesel Emissions and Fuel Economy* - Diesel Emission Test results for the Federal Test Procedure, the Highway Fuel Economy Test and the Modal Emissions Test were calculated using basic equations of 40 *Federal Register* 126 applicable to diesel exhaust emissions. Fuel economy results for these tests were calculated using the mass emission data and the EPA supplied carbon balance equation.

3. DISCUSSION OF TEST RESULTS

3.1 SULFATE EMISSIONS

Sulfate emission results, obtained over the Congested Freeway Driving Schedule (CFDS), for each of Houston, Phoenix, and Denver vehicles are presented in the table below. Hydrocarbon, carbon monoxide, and oxides of nitrogen emissions are in grams per mile, while H_2SO_4 is reported in milligrams per mile. Results obtained on the Federal Test Procedure (FTP) are also presented below.

TEST PROCEDURE	HC mean	HC S.D.	CO mean	CO S.D.	NOx_c mean	NOx_c S.D.	H_2SO_4 mean	H_2SO_4 S.D.
DENVER 66 Vehicles								
CFDS	1.66	1.15	47.28	29.20	1.67	0.71	2.22	3.18
FTP	2.37	1.25	46.80	27.72	1.73	0.66	--	--
HOUSTON 64 Vehicles								
CFDS	0.85	0.91	13.20	17.82	3.08	1.35	5.77	10.18
FTP	2.04	1.63	30.54	33.78	2.76	1.15	--	--
PHOENIX 155 Vehicles								
CFDS	0.49	0.47	7.63	9.18	2.83	1.14	7.43	21.61
FTP	1.31	1.08	17.02	18.26	2.58	1.11	--	--

3.2 FEDERAL TEST PROCEDURE EMISSIONS AND FUEL ECONOMY

Passenger car emission and fuel economy test results obtained by the Federal Test Procedure for Chicago, Houston, Denver, and Phoenix vehicles are presented by model-year in Table 3. These same data for light-duty trucks are presented in Table 4. Tables 5 and 6 indicate how emission results on individual cars and light-duty trucks compare to the 1975/1976 Federal Emission Standard for the various model years. The number of 1976 passenger cars passing or failing emission standards (and pollutant failed) as a function of vehicle make are presented in Table 7 for each site.

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TABLE 3

PASSENGER CAR
EXHAUST EMISSION TEST RESULTS VS. MODEL YEAR

DENVER

1975 FEDERAL TEST PROCEDURE

MODEL YEAR	NUMBER OF VEHICLES	AVERAGE MILEAGE	HC		CO		CO_2		NO_{xc}		FUEL ECONOMY FTP	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
1965	0											
1966	0											
1967	0											
1968	0											
1969	0											
1970	20	68357	6.05	2.09	85.4	36.1	436.4	100.8	2.73	0.90	15.1	2.98
1971	22	58763	6.91	3.67	94.4	59.4	477.4	137.4	2.58	1.02	13.7	3.79
1972	25	46081	5.65	3.78	71.6	21.5	477.8	141.5	2.74	0.92	14.6	3.67
1973	27	39273	4.71	1.75	82.2	38.3	488.8	143.7	2.20	1.08	14.0	3.83
1974	27	28152	4.64	1.55	81.4	27.4	470.2	141.0	2.03	1.08	14.5	3.45
1975	28	19602	2.37	1.16	47.9	27.7	526.1	145.4	1.81	0.68	14.6	3.52
1976	34	10933	2.34	1.23	45.1	25.4	506.0	129.4	1.82	0.72	15.2	3.40
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TOTALS	183	35809	4.44	2.80	70.3	38.5	486.4	136.0	2.22	0.98	14.5	3.55

CHICAGO

1975 FEDERAL TEST PROCEDURE

MODEL YEAR	NUMBER OF VEHICLES	AVERAGE MILEAGE	HC		CO		CO_2		NO_{xc}		FUEL ECONOMY FTP	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
1965	0											
1966	11	72045	10.81	10.83	88.1	36.4	444.0	109.0	3.71	1.49	14.4	3.57
1967	17	92224	6.69	2.06	81.5	30.9	451.5	71.9	3.15	1.07	14.8	2.50
1968	22	69785	6.22	2.88	92.6	58.1	492.2	87.6	3.40	1.67	13.5	2.09
1969	30	62245	6.11	5.59	58.3	27.0	501.2	92.6	4.71	1.90	14.5	2.27
1970	35	57946	5.76	4.71	65.6	33.8	506.1	126.2	3.55	1.43	14.1	3.35
1971	40	55880	4.87	5.82	49.9	22.7	530.9	145.4	4.10	1.54	14.2	3.42
1972	45	42065	3.64	2.02	47.1	28.2	543.3	141.2	4.05	1.41	14.1	3.64
1973	50	34074	3.54	4.07	40.1	23.8	584.4	165.5	2.83	1.10	13.5	3.55
1974	50	23951	3.82	4.18	38.7	23.4	593.6	182.1	2.87	1.24	13.3	3.87
1975	50	15583	1.59	1.94	22.1	23.9	589.2	147.6	2.31	1.07	14.1	3.53
1976	150	7285	1.27	0.97	19.2	21.4	556.9	136.2	2.46	0.92	15.0	3.42
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TOTALS	500	33385	3.50	4.22	41.0	34.7	547.5	144.4	3.10	1.44	14.2	3.43

EMISSION RESULTS IN GRAMS PER MILE

FUEL ECONOMY IN MILES PER GALLON

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

TABLE 3 CONT'D

PASSENGER CARS
EXHAUST EMISSION TEST RESULTS VS. MODEL YEAR

HOUSTON

1975 FEDERAL TEST PROCEDURE

MODEL YEAR	NUMBER OF VEHICLES	AVERAGE MILEAGE	HC		CO		CO_2		NO_{xc}		FUEL ECONOMY FTP	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
1965	0											
1966	0											
1967	0											
1968	0											
1969	0											
1970	0											
1971	0											
1972	0											
1973	27	51574	5.03	6.01	60.4	40.6	585.1	192.0	2.65	1.11	12.8	3.87
1974	27	35550	4.19	2.00	64.3	41.2	597.9	184.2	2.57	1.31	12.5	3.39
1975	28	28549	1.88	1.17	32.9	32.5	613.6	170.9	2.55	1.09	13.2	3.52
1976	34	11468	1.78	1.30	20.8	19.5	581.6	146.4	2.76	1.14	14.3	3.27
TOTALS	116	30531	3.12	3.45	43.1	38.2	593.9	170.8	2.64	1.15	13.2	3.50

PHOENIX

1975 FEDERAL TEST PROCEDURE

MODEL YEAR	NUMBER OF VEHICLE	AVERAGE MILEAGE	HC		CO		CO_2		NO_{xc}		FUEL ECONOMY FTP	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
1965	3	96613	9.22	6.10	174.6	85.2	488.2	143.2	1.62	0.15	11.2	3.53
1966	7	90811	6.00	3.20	95.9	53.6	477.7	139.6	2.16	0.75	13.7	4.28
1967	12	94790	7.33	2.46	99.9	43.9	449.3	93.5	2.58	1.48	14.1	2.83
1968	28	91876	5.44	1.97	80.9	38.6	505.0	92.8	2.77	1.16	13.7	2.21
1969	30	84733	5.22	2.07	80.2	50.8	470.7	95.7	3.45	1.40	14.5	3.45
1970	35	75517	5.45	3.29	77.5	59.0	499.6	98.3	3.18	1.28	13.9	3.17
1971	40	68814	3.84	1.10	51.6	24.6	551.5	157.8	3.39	1.30	13.8	3.51
1972	45	56076	3.53	1.80	47.5	21.5	564.2	162.5	3.25	1.08	13.7	3.50
1973	50	43961	3.35	1.45	50.1	32.9	581.3	182.9	2.82	1.21	13.2	3.51
1974	50	34849	4.11	3.65	56.6	38.3	563.7	156.7	2.81	1.40	13.3	3.37
1975	49	25814	1.73	1.21	25.1	22.5	570.1	146.1	2.76	1.32	14.4	3.67
1976	151	12793	1.22	0.97	15.1	14.9	563.4	135.3	2.51	1.08	15.0	3.36
TOTALS	500	44467	3.22	2.66	45.6	42.3	547.3	144.6	2.84	1.25	14.1	3.43

EMISSION RESULTS IN GRAMS PER MILE

FUEL ECONOMY IN MILES PER GALLON

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

TABLE 3 CONT'D

EXHAUST EMISSION TEST RESULTS VS. MODEL YEAR

PHOENIX

DIESEL

1975 FEDERAL TEST PROCEDURE

MODEL YEAR	NUMBER OF VEHICLE	AVERAGE MILEAGE	HC MEAN	HC S.D.	CO MEAN	CO S.D.	CO_2 MEAN	CO_2 S.D.	NO_{xc} MEAN	NO_{xc} S.D.	FUEL ECONOMY FTP MEAN	FUEL ECONOMY FTP S.D.
1965	3	188698	2.73	1.72	5.2	1.6	410.9	4.1	1.37	0.19	23.8	0.18
1966	0											
1967	3	97240	1.33	0.36	3.9	1.4	405.9	38.1	1.41	0.29	24.4	2.39
1968	1	99216	0.34	0.12	1.4	2.0	360.9	0.0	1.40	1.95	27.9	0.00
1969	2	104650	1.19	0.38	4.9	3.0	418.0	2.2	1.49	0.17	23.7	0.20
1970	1	56306	0.80	0.64	2.0	4.1	436.4	0.0	1.53	2.34	23.0	0.00
1971	1	39863	0.74	0.55	1.9	3.5	418.5	0.0	1.55	2.42	24.0	0.00
1972	0											
1973	1	33220	0.40	0.16	2.1	4.4	424.1	0.0	1.44	2.07	23.7	0.00
1974	4	38263	1.14	0.75	2.3	0.7	415.4	21.4	1.31	0.21	24.1	1.12
1975	1	48770	0.26	0.07	1.1	1.3	375.9	0.0	1.35	1.84	26.9	0.00
1976	1	26921	0.28	0.08	1.0	1.0	434.5	0.0	1.66	2.74	23.3	0.00
1977	2	2495	0.23	0.04	1.0	0.2	430.2	39.3	1.58	0.04	23.5	2.16
TOTALS	20	76472	1.12	1.03	2.9	1.9	412.9	25.1	1.43	0.18	24.2	1.47

EMISSION RESULTS IN GRAMS PER MILE

FUEL ECONOMY IN MILES PER GALLON

TABLE 4

EXHAUST EMISSION TEST RESULTS FOR 1975 & 1976 LIGHT-DUTY TRUCKS

DENVER

1975 FEDERAL TEST PROCEDURE

			HC		CO		CO_2		NO_{xc}		FUEL ECONOMY FTP		FUEL ECONOMY HFET	
YEAR	NUMBER OF VEHICLES	AVERAGE MILEAGE	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
1975	7	17329	2.02	1.17	24.1	14.9	632.3	70.9	1.96	0.91	13.1	1.67		
1976	10	11180	2.30	1.19	50.8	24.7	556.7	111.8	1.68	0.54	13.8	2.35	18.6	3.98
TOTALS	17	13712	2.18	1.15	39.8	24.7	587.8	101.9	1.79	0.70	13.5	2.04	18.6	3.98

CHICAGO

1975 FEDERAL TEST PROCEDURE

			HC		CO		CO_2		NO_{xc}		FUEL ECONOMY FTP		FUEL ECONOMY HFET	
YEAR	NUMBER OF VEHICLES	AVERAGE MILEAGE	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
1975	7	19222	0.81	0.46	13.6	10.9	683.4	79.5	1.76	0.29	12.5	1.44		
1976	10	5659	1.51	1.15	22.2	19.7	630.8	107.5	2.21	0.63	13.2	1.92	18.3	2.26
TOTALS	17	11244	1.22	0.97	18.6	16.8	652.4	97.9	2.02	0.55	12.9	1.71	18.3	2.26

HOUSTON

1975 FEDERAL TEST PROCEDURE

			HC		CO		CO_2		NO_{xc}		FUEL ECONOMY FTP		FUEL ECONOMY HFET	
YEAR	NUMBER OF VEHICLES	AVERAGE MILEAGE	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
1975	7	24185	1.89	1.23	23.4	18.4	699.4	68.0	2.63	1.02	12.0	1.07		
1976	10	14383	3.19	2.74	47.5	55.1	549.7	77.7	3.04	0.94	14.0	2.50	20.0	3.10
TOTALS	17	18419	2.66	2.29	37.6	44.5	611.3	104.4	2.87	0.97	13.1	2.10	20.0	3.10

EMISSION RESULTS IN GRAMS PER MILE

FUEL ECONOMY IN MILES PER GALLON

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

TABLE 4 CONT'D

EXHAUST EMISSION TEST RESULTS FOR 1975 & 1976 LIGHT-DUTY TRUCKS

PHOENIX

1975 FEDERAL TEST PROCEDURE

	NUMBER										FUEL ECONOMY			
	OF	AVERAGE	HC		CO		CO_2		NO_{XC}		FTP		HFET	
YEAR	VEHICLES	MILEAGE	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
1975	0													
1976	0													
	---	-------	------	-----	------	-----	------	-----	-----	-----	-----	-----	-----	-----
TOTALS	0													

EMISSION RESULTS IN GRAMS PER MILE

FUEL ECONOMY IN MILES PER GALLON

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

TABLE 5

PASSENGER CARS MEETING FEDERAL STANDARDS

DENVER

1975 - 1976 FEDERAL STANDARDS

		HC		CO		NO_{xc}		PASSED	
MODEL YEAR	NO. OF VEH.	≤1.5 GM/MI NO.	%	≤15 GM/MI NO.	%	≤3.1 GM/MI NO.	%	ALL THREE NO.	%
1965	0								
1966	0								
1967	0								
1968	0								
1969	0								
1970	20	0	0	0	0	13	65	0	0
1971	22	0	0	0	0	17	77	0	0
1972	25	0	0	0	0	17	68	0	0
1973	27	0	0	0	0	22	81	0	0
1974	27	0	0	0	0	23	85	0	0
1975	28	7	25	1	4	27	96	1	4
1976	34	11	32	5	15	32	94	5	15
TOTALS	183	18	10	6	3	151	83	6	3

TABLE 5 CONT'D

PASSENGER CARS MEETING FEDERAL STANDARDS

CHICAGO

1975 - 1976 FEDERAL STANDARDS

		HC		CO		NO_{xc}		PASSED	
MODEL YEAR	NO. OF VEH.	≤1.5 GM/MI NO.	%	≤15 GM/MI NO.	%	≤3.1 GM/MI NO.	%	ALL THREE NO.	%
1965	0								
1966	11	0	0	0	0	3	27	0	0
1967	17	0	0	1	6	10	59	0	0
1968	22	0	0	1	5	11	50	0	0
1969	30	0	0	0	0	9	30	0	0
1970	35	0	0	0	0	15	43	0	0
1971	40	0	0	1	2	14	35	0	0
1972	45	0	0	4	9	14	31	0	0
1973	50	2	4	4	8	33	66	0	0
1974	50	2	4	4	8	32	64	1	2
1975	50	33	66	29	58	43	86	19	38
1976	150	112	75	92	61	129	86	78	52
TOTALS	500	149	30	136	27	313	63	98	20

TABLE 5 CONT'D

PASSENGER CARS MEETING FEDERAL STANDARDS

HOUSTON

1975 - 1976 FEDERAL STANDARDS

MODEL YEAR	NO. OF VEH.	HC ≤ 1.5 GM/MI NO.	HC ≤ 1.5 GM/MI %	CO ≤ 15 GM/MI NO.	CO ≤ 15 GM/MI %	NO_{xc} ≤ 3.1 GM/MI NO.	NO_{xc} ≤ 3.1 GM/MI %	PASSED ALL THREE NO.	PASSED ALL THREE %
1965	0								
1966	0								
1967	0								
1968	0								
1969	0								
1970	0								
1971	0								
1972	0								
1973	27	0	0	0	0	18	67	0	0
1974	27	0	0	0	0	22	81	0	0
1975	28	13	46	8	29	21	75	6	21
1976	34	21	62	19	56	25	74	13	38
TOTALS	116	34	29	27	23	86	74	19	16

TABLE 5 CONT'D

PASSENGER CARS MEETING FEDERAL STANDARDS

PHOENIX

1975 - 1976 FEDERAL STANDARDS

		HC		CO		NO_{xc}		PASSED	
MODEL	NO. OF	<1.5 GM/MI		<15 GM/MI		<3.1 GM/MI		ALL THREE	
YEAR	VEH.	NO.	%	NO.	%	NO.	%	NO.	%
1965	3	0	0	0	0	3	100	0	0
1966	7	0	0	0	0	6	86	0	0
1967	12	0	0	0	0	8	67	0	0
1968	28	0	0	0	0	17	61	0	0
1969	30	0	0	0	0	14	47	0	0
1970	35	0	0	1	3	17	49	0	0
1971	40	0	0	1	2	20	50	0	0
1972	45	2	4	1	2	24	53	0	0
1973	50	1	2	4	8	34	68	0	0
1974	50	3	6	1	2	34	68	0	0
1975	49	26	53	22	45	36	73	15	31
1976	151	121	80	100	66	121	80	75	50
TOTALS	500	153	31	130	26	334	67	90	18

TABLE 5 CONT'D

PASSENGER CARS MEETING FEDERAL STANDARDS

PHOENIX
DIESEL

1975 - 1976 FEDERAL STANDARDS

MODEL YEAR	NO. OF VEH.	HC ≤1.5 GM/MI NO.	HC ≤1.5 GM/MI %	CO ≤15 GM/MI NO.	CO ≤15 GM/MI %	NO_{xc} ≤3.1 GM/MI NO.	NO_{xc} ≤3.1 GM/MI %	PASSED ALL THREE NO.	PASSED ALL THREE %
1965	3	1	33	3	100	3	100	1	33
1966	0								
1967	3	2	67	3	100	3	100	2	67
1968	1	1	100	1	100	1	100	1	100
1969	2	2	100	2	100	2	100	2	100
1970	1	1	100	1	100	1	100	1	100
1971	1	1	100	1	100	1	100	1	100
1972	0								
1973	1	1	100	1	100	1	100	1	100
1974	4	3	75	4	100	4	100	3	75
1975	1	1	100	1	100	1	100	1	100
1976	1	1	100	1	100	1	100	1	100
1977	2	2	100	2	100	2	100	2	100
TOTALS	20	16	80	20	100	20	100	16	80

TABLE 6

1975 LIGHT-DUTY TRUCKS MEETING FEDERAL STANDARDS

DENVER

MODEL	NO. OF VEH.	HC ≤2.0 GM/MI NO.	HC %	CO ≤20 GM/MI NO.	CO %	NO_{xc} ≤3.1 GM/MI NO.	NO_{xc} %	PASSED ALL THREE NO.	PASSED ALL THREE %
CHEVROLET	3	2	67	2	67	3	100	2	67
DODGE	1	0	0	0	0	1	100	0	0
FORD	3	3	100	1	33	2	67	1	33
GMC	0	0	0	0	0	0	0	0	0
FOREIGN	0	0	0	0	0	0	0	0	0
TOTALS	7	5	71	3	43	6	86	3	43

1976 LIGHT-DUTY TRUCKS MEETING FEDERAL STANDARDS

MODEL	NO. OF VEH.	HC ≤2.0 GM/MI NO.	HC %	CO ≤20 GM/MI NO.	CO %	NO_{xc} ≤3.1 GM/MI NO.	NO_{xc} %	PASSED ALL THREE NO.	PASSED ALL THREE %
CHEVROLET	4	4	100	0	0	4	100	0	0
DODGE	2	0	0	0	0	2	100	0	0
FORD	3	2	67	1	33	3	100	1	33
GMC	0	0	0	0	0	0	0	0	0
FOREIGN	1	1	100	0	0	1	100	0	0
TOTALS	10	7	70	1	10	10	100	1	10

TABLE 6 CONT'D

1975 LIGHT-DUTY TRUCKS MEETING FEDERAL STANDARDS

CHICAGO

MODEL	NO. OF VEH.	HC $\leq$2.0 GM/MI NO.	%	CO $\leq$20 GM/MI NO.	%	NO_{xc} $\leq$3.1 GM/MI NO.	%	PASSED ALL THREE NO.	%
CHEVROLET	3	3	100	2	67	3	100	2	67
DODGE	1	1	100	1	100	1	100	1	100
FORD	3	3	100	3	100	3	100	3	100
GMC	0	0	0	0	0	0	0	0	0
FOREIGN	0	0	0	0	0	0	0	0	0
TOTALS	7	7	100	6	86	7	100	6	86

1976 LIGHT-DUTY TRUCKS MEETING FEDERAL STANDARDS

MODEL	NO. OF VEH.	HC $\leq$2.0 GM/MI NO.	%	CO $\leq$20 GM/MI NO.	%	NO_{xc} $\leq$3.1 GM/MI NO.	%	PASSED ALL THREE NO.	%
CHEVROLET	4	3	75	3	75	4	100	3	75
DODGE	2	1	50	0	0	2	100	0	0
FORD	3	3	100	3	100	3	100	3	100
GMC	0	0	0	0	0	0	0	0	0
FOREIGN	1	1	100	1	100	1	100	1	100
TOTALS	10	8	80	7	70	10	100	7	70

TABLE6 CONT'D

1975 LIGHT-DUTY TRUCKS MEETING FEDERAL STANDARDS

HOUSTON

MODEL	NO. OF VEH.	HC $\le$2.0 GM/MI NO.	HC $\le$2.0 GM/MI %	CO $\le$20 GM/MI NO.	CO $\le$20 GM/MI %	NO_{xc} $\le$3.1 GM/MI NO.	NO_{xc} $\le$3.1 GM/MI %	PASSED ALL THREE NO.	PASSED ALL THREE %
CHEVROLET	3	2	67	1	33	1	33	0	0
DODGE	1	1	100	0	0	1	100	0	0
FORD	3	3	100	2	67	3	100	2	67
GMC	0	0	0	0	0	0	0	0	0
FOREIGN	0	0	0	0	0	0	0	0	0
TOTALS	7	6	86	3	43	5	71	2	29

1976 LIGHT-DUTY TRUCKS MEETING FEDERAL STANDARDS

MODEL	NO. OF VEH.	HC $\le$2.0 GM/MI NO.	HC $\le$2.0 GM/MI %	CO $\le$20 GM/MI NO.	CO $\le$20 GM/MI %	NO_{xc} $\le$3.1 GM/MI NO.	NO_{xc} $\le$3.1 GM/MI %	PASSED ALL THREE NO.	PASSED ALL THREE %
CHEVROLET	4	1	25	1	25	2	50	0	0
DODGE	2	1	50	1	50	1	50	1	50
FORD	3	2	67	2	67	1	33	1	33
GMC	0	0	0	0	0	0	0	0	0
FOREIGN	1	1	100	1	100	1	100	1	100
TOTALS	10	5	50	5	50	5	50	3	30

TABLE 6 CONT'D

1975 LIGHT-DUTY TRUCKS MEETING FEDERAL STANDARDS

PHOENIX

MODEL	NO. OF VEH.	HC <2.0 GM/MI NO.	HC <2.0 GM/MI %	CO <20 GM/MI NO.	CO <20 GM/MI %	NO_{xc} <3.1 GM/MI NO.	NO_{xc} <3.1 GM/MI %	PASSED ALL THREE NO.	PASSED ALL THREE %
CHEVROLET	0								
DODGE	0								
FORD	0								
GMC	0								
FOREIGN	0								
TOTALS	0								

1976 LIGHT-DUTY TRUCKS MEETING FEDERAL STANDARDS

MODEL	NO. OF VEH.	HC <2.0 GM/MI NO.	HC <2.0 GM/MI %	CO <20 GM/MI NO.	CO <20 GM/MI %	NO_{xc} <3.1 GM/MI NO.	NO_{xc} <3.1 GM/MI %	PASSED ALL THREE NO.	PASSED ALL THREE %
CHEVROLET	0								
DODGE	0								
FORD	0								
GMC	0								
FOREIGN	0								
TOTALS	0								

TABLE 7

1976 PASSENGER CARS MEETING 1976 FEDERAL STANDARDS

DENVER

		HC		CO		NO_{xc}		PASSED	
	NO. OF	≤1.5 GM/MI		≤15 GM/MI		≤3.1 GM/MI		ALL THREE	
MFR.	VEH	NO.	%	NO.	%	NO.	%	NO.	%
DOMESTICS									
AMC	1	0	0	0	0	1	100	0	0
BUICK	2	0	0	0	0	2	100	0	0
CADILLAC	1	0	0	0	0	1	100	0	0
CHEVROLET	7	1	14	0	0	7	100	0	0
CHRYSLER	0								
DODGE	2	0	0	0	0	1	50	0	0
FORD	6	6	100	4	67	6	100	4	67
LINCOLN	0								
MERCURY	2	2	100	1	50	2	100	1	50
OLDSMOBILE	3	0	0	0	0	3	100	0	0
PLYMOUTH	2	0	0	0	0	2	100	0	0
PONTIAC	2	0	0	0	0	1	50	0	0
FOREIGN									
CAPRI	0								
COLT	0								
DATSUN	2	0	0	0	0	2	100	0	0
FIAT	0								
HONDA	0								
MAZDA	0								
MERCEDES	0								
OPEL	0								
PEUGEOT	0								
TOYOTA	2	2	100	0	0	2	100	0	0
VW	2	0	0	0	0	2	100	0	0
VOLVO	0								
TOTALS	34	11	32	5	15	32	94	5	15

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TABLE 7 CONT'D

1976 PASSENGER CARS MEETING 1976 FEDERAL STANDARDS

CHICAGO

		HC		CO		NO_{xo}		PASSED	
	NO. OF	≤1.5 GM/MI		≤15 GM/MI		≤3.1 GM/MI		ALL THREE	
MFR.	VEH	NO.	%	NO.	%	NO.	%	NO.	%
DOMESTICS									
AMC	5	5	100	3	60	1	20	0	0
BUICK	9	9	100	9	100	9	100	9	100
CADILLAC	5	3	60	4	80	5	100	3	60
CHEVROLET	31	19	61	11	35	26	84	9	29
CHRYSLER	2	2	100	1	50	1	50	1	50
DODGE	8	4	50	4	50	6	75	2	25
FORD	26	26	100	25	96	21	81	20	77
LINCOLN	2	2	100	2	100	2	100	2	100
MERCURY	7	7	100	6	86	7	100	6	86
OLDSMOBILE	12	7	58	7	58	10	83	7	58
PLYMOUTH	9	2	22	1	11	8	89	1	11
PONTIAC	10	6	60	5	50	10	100	5	50
FOREIGN									
CAPRI	1	1	100	0	0	1	100	0	0
COLT	1	1	100	0	0	0	0	0	0
DATSUN	5	3	60	2	40	5	100	2	40
FIAT	2	1	50	0	0	2	100	0	0
HONDA	2	2	100	1	50	2	100	1	50
MAZDA	1	1	100	1	100	1	100	1	100
MERCEDES	0								
OPEL	0								
PEUGEOT	0								
TOYOTA	6	6	100	4	67	6	100	4	67
VW	5	4	80	5	100	5	100	4	80
VOLVO	1	1	100	1	100	1	100	1	100
TOTALS	150	112	75	92	61	129	86	78	52

AUTOMOTIVE TESTING LABORATORIES,INC.
19900 E. COLFAX, AURORA, COLO. 80011

TABLE 7 CONT'D

1976 PASSENGER CARS MEETING 1976 FEDERAL STANDARDS

HOUSTON

		HC		CO		NO_{xc}		PASSED	
	NO. OF	<1.5 GM/MI		<15 GM/MI		<3.1 GM/MI		ALL THREE	
MFR.	VEH	No.	%	No.	%	No.	%	NO.	%
DOMESTICS									
AMC	1	1	100	0	0	0	0	0	0
BUICK	2	2	100	2	100	2	100	2	100
CADILLAC	1	0	0	1	100	1	100	0	0
CHEVROLET	7	4	57	4	57	5	71	3	43
CHRYSLER	0								
DODGE	2	1	50	1	50	1	50	0	0
FORD	6	5	83	5	83	4	67	3	50
LINCOLN	0								
MERCURY	2	2	100	2	100	2	100	2	100
OLDSMOBILE	3	1	33	1	33	3	100	1	33
PLYMOUTH	2	0	0	0	0	2	100	0	0
PONTIAC	2	1	50	1	50	0	0	0	0
FOREIGN									
CAPRI	0								
COLT	0								
DATSUN	2	1	50	1	50	1	50	1	50
FIAT	0								
HONDA	0								
MAZDA	0								
MERCEDES	0								
OPEL	0								
PEUGEOT	0								
TOYOTA	2	2	100	0	0	2	100	0	0
VW	2	1	50	1	50	2	100	1	50
VOLVO	0								
TOTALS	34	21	62	19	56	25	74	13	38

TABLE 7 CONT'D

1976 PASSENGER CARS MEETING 1976 FEDERAL STANDARDS

PHOENIX

		HC		CO		NO_{xc}		PASSED	
	NO. OF	≤1.5 GM/MI		≤15 GM/MI		≤3.1 GM/MI		ALL THREE	
MFR.	VEH	NO.	%	NO.	%	NO.	%	NO.	%
DOMESTICS									
AMC	5	4	80	3	60	5	100	3	60
BUICK	9	8	89	7	78	5	56	4	44
CADILLAC	6	6	100	6	100	6	100	6	100
CHEVROLET	31	26	84	15	48	28	90	13	42
CHRYSLER	2	1	50	1	50	1	50	0	0
DODGE	8	5	63	2	25	7	88	2	25
FORD	26	23	88	24	92	20	77	18	69
LINCOLN	2	1	50	2	100	2	100	1	50
MERCURY	7	7	100	6	86	7	100	6	86
OLDSMOBILE	12	10	83	10	83	10	83	8	67
PLYMOUTH	9	4	44	2	22	5	56	0	0
PONTIAC	10	8	80	7	70	5	50	2	20
FOREIGN									
CAPRI	1	1	100	1	100	1	100	1	100
COLT	1	0	0	0	0	1	100	0	0
DATSUN	5	2	40	3	60	3	60	1	20
FIAT	2	1	50	1	50	2	100	1	50
HONDA	2	2	100	1	50	2	100	1	50
MAZDA	1	1	100	1	100	1	100	1	100
MERCEDES	0								
OPEL	0								
PEUGEOT	0								
TOYOTA	6	6	100	3	50	5	83	3	50
VW	5	4	80	4	80	4	80	3	60
VOLVO	1	1	100	1	100	1	100	1	100
TOTALS	151	121	80	100	66	121	80	75	50

AUTOMOTIVE TESTING LABORATORIES,INC.
19900 E. COLFAX, AURORA, COLO. 80011

TABLE 7 CONT'D

1976 - 1977 PASSENGER CARS MEETING 1976 FEDERAL STANDARDS

PHOENIX
DIESEL

MFR.	NO. OF VEH	HC ≤1.5 GM/MI NO.	HC ≤1.5 GM/MI %	CO ≤15 GM/MI NO.	CO ≤15 GM/MI %	NO_{xc} ≤3.1 GM/MI NO.	NO_{xc} ≤3.1 GM/MI %	PASSED ALL THREE NO.	PASSED ALL THREE %
DOMESTICS									
AMC	0								
BUICK	0								
CADILLAC	0								
CHEVROLET	0								
CHRYSLER	0								
DODGE	0								
FORD	0								
LINCOLN	0								
MERCURY	0								
OLDSMOBILE	0								
PLYMOUTH	0								
PONTIAC	0								
FOREIGN									
CAPRI	0								
COLT	0								
DATSUN	0								
FIAT	0								
HONDA	0								
MAZDA	0								
MERCEDES	3	3	100	3	100	3	100	3	100
OPEL	0								
PEUGEOT	0								
TOYOTA	0								
VW	0								
VOLVO	0								
TOTALS	3	3	100	3	100	3	100	3	100

3.3 EVAPORATIVE EMISSIONS

Evaporative emissions were determined using the SHED technique at the Denver site. Each of twenty 1976 model-year vehicles was tested firstly using commercially available fuel and secondly using Indolene fuel. Exhaust and evaporative emissions results for each fuel are summarized below where exhaust emissions are in grams per mile and evaporative emissions are in grams per test.

	EXHAUST						EVAPORATIVE					
	HC		CO		NOX_c		Diurnal		Hot		Total	
Fuel	mean	S.D.	mean	S.D.	mean	S.D.	mean	S.D.	mean	S.D.	mean	S.D.
Com.	2.37	1.31	47.6	32.0	1.70	0.56	22.3	12.8	10.8	6.1	33.1	16.1
Ind.	2.36	1.36	47.1	35.4	1.62	0.55	18.4	10.7	11.6	6.7	30.0	14.5

3.4 HIGHWAY FUEL ECONOMY AND EMISSIONS

Fuel economy and exhaust emission data from the Highway Fuel Economy Test are summarized by site in the Table below. FTP results on these same vehicles are included in the summary.

FUEL ECONOMY RESULTS
FORTY-FOUR 1976 MODEL YEAR PASSENGER CARS AND LIGHT DUTY TRUCKS IN EACH SITE

	TEST	HC(gm/mi)		CO(gm/mi)		NOX_c(gm/mi)		(mpg)	
SITE	PROCEDURE	mean	S.D.	mean	S.D.	mean	S.D.	mean	S.D.
DENVER	HFET	1.08	0.80	27.7	21.4	2.26	1.12	20.0	4.6
	FTP	2.33	1.21	46.4	25.1	1.79	0.68	14.8	3.2
CHICAGO	HFET	0.32	0.30	3.4	4.72	2.88	1.08	20.7	4.7
	FTP	1.31	1.09	18.6	18.8	2.44	0.94	14.7	3.4
HOUSTON	HFET	0.51	0.49	3.8	5.1	3.24	1.40	20.3	4.1
	FTP	2.10	1.80	26.9	32.4	2.82	1.10	14.2	3.1

FTP and HFET from the twenty diesel-powered vehicles are summarized as follows.

FUEL ECONOMY RESULTS
TWENTY DIESEL PASSENGER CARS IN PHOENIX

TEST	HC (gm/mi)		CO (gm/mi)		NO_x (gm/mi)		(mpg)	
PROCEDURE	mean	S.D.	mean	S.D.	mean	S.D.	mean	S.D.
HFET	0.49	0.36	1.49	0.71	1.31	0.21	31.3	2.47
FTP	1.12	1.03	2.88	1.86	1.43	0.18	24.2	1.47

3.5 MODAL EMISSIONS AND FUEL ECONOMY

Mean modal emissions and fuel economy are presented on the four pages of Table 8 which follow. Data reported are for the 32 acceleration and deceleration modes of the Surveillance Driving Sequence as well as the seven steady state modes. Chicago and Houston results were obtained from 34 passenger cars and 10 light duty trucks at each of these sites. Modal tests at the Phoenix site were performed on twenty diesel-powered passenger cars ranging from the 1965 model year through the 1977 model year. In Denver, tests were run on 17 light duty trucks and 183 passenger cars inclusive of the 1970 through the 1976 model years.

3.6 SHORT TESTS

Seven different short tests were run over the course of the testing program. Results of these tests on individual vehicles are presented in appendices as follows:

APPENDIX I - FEDERAL SHORT CYCLE EMISSION RESULTS performed on all vehicles in Chicago and Phoenix excluding diesels.

APPENDIX J - NEW YORK/NEW JERSEY SHORT CYCLE EMISSION RESULTS performed on all vehicles in Chicago and 103 vehicles in Phoenix.

APPENDIX K - CLAYTON KEY MODE EMISSION RESULTS performed on all vehicles in Chicago and Phoenix excluding diesels.

APPENDIX L - TWO SPEED IDLE TEST EMISSION RESULTS performed on all vehicles in Chicago and Phoenix excluding the diesels.

TABLE 8

SUMMARY OF MODAL EMISSION RESULTS ON 200 VEHICLES

DENVER

MODE NO.	FROM-TO (MPH)	DISTANCE (MILES)	TIME (SEC)	HC	CO	CO2	NOX	FUEL ECON
1	00-30	0.0602	12	9.46	236.5	869.9	3.96	6.98
2	30-00	0.0741	16	2.85	43.3	298.5	0.55	23.63
3	00-15	0.0201	8	9.77	203.3	981.5	1.86	6.66
4	15-30	0.0705	11	4.72	108.2	623.9	2.65	10.97
5	30-45	0.1360	13	3.56	86.3	537.0	3.57	12.98
6	45-30	0.1268	12	1.45	19.5	200.5	0.95	37.66
7	30-60	0.2163	17	5.90	234.8	603.8	3.15	8.95
8	60-45	0.1716	12	1.58	22.7	225.5	1.75	33.35
9	45-60	0.2043	14	3.58	114.0	537.0	4.14	12.20
10	60-15	0.3367	30	2.57	22.3	210.8	1.27	34.93
11	15-60	0.3136	26	6.01	226.2	619.0	3.47	8.93
12	60-00	0.1973	21	3.15	24.9	222.1	1.38	32.72
13	00-60	0.3313	32	6.19	208.4	663.7	4.17	8.78
14	60-30	0.2994	23	2.24	22.1	203.7	1.33	36.14
15	30-15	0.0579	9	2.08	28.0	228.0	0.49	31.86
16	15-00	0.0173	8	5.57	102.7	551.7	0.44	12.15
17	00-45	0.1759	22	6.55	180.4	689.6	4.07	8.93
18	45-15	0.1392	16	2.22	24.1	204.0	0.77	35.66
19	15-45	0.1528	18	5.30	156.1	651.3	3.88	9.72
20	45-00	0.1304	19	2.93	29.5	237.9	0.83	30.25
21	00-60	0.2654	25	8.15	307.8	684.4	3.26	7.43
22	60-00	0.2634	28	3.23	28.1	223.7	1.20	31.92
23	00-30	0.0737	15	7.24	154.6	796.0	3.95	8.36
24	30-60	0.3134	25	4.14	138.2	547.5	3.74	11.41
25	60-30	0.2362	18	2.11	22.3	200.5	1.37	36.64
26	30-00	0.0444	10	3.02	41.1	314.2	0.68	22.85
27	00-60	0.4009	38	5.00	151.4	612.1	4.29	10.25
28	60-00	0.3293	35	3.07	28.4	227.8	1.20	31.46
29	00-30	0.0886	18	6.38	134.7	719.6	3.35	9.33
30	30-60	0.2599	21	5.11	168.3	569.3	3.28	9.89
31	60-30	0.1813	14	2.04	23.0	200.6	1.43	36.50
32	30-00	0.0592	13	3.15	41.0	296.2	0.56	23.94
TOTAL CALCULATED RESULTS				3.86	90.5	419.9	2.49	15.45
TOTAL BAG RESULTS				3.84	90.4	425.1	2.48	15.32
33	IDLE			0.73	13.6	67.8	0.07	97.03
34	5 MPH STEADY STATE			8.30	153.1	836.6	0.70	8.04
35	10 MPH STEADY STATE			3.97	75.7	543.6	0.45	13.15
36	15 MPH STEADY STATE			2.56	50.0	387.6	0.37	18.71
37	30 MPH STEADY STATE			1.77	25.4	305.8	0.95	25.26
38	45 MPH STEADY STATE			1.62	22.7	330.7	2.15	23.89
39	60 MPH STEADY STATE			1.89	36.3	400.4	3.93	19.15

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

TABLE 8 CONT'D

SUMMARY OF MODAL EMISSION RESULTS ON 44 1976 MODEL YEAR VEHICLES

CHICAGO

MODE NO.	FROM-TO (MPH)	DISTANCE (MILES)	TIME (SEC)	HC	CO	CO2	NOX	FUEL ECON
1	00-30	0.0602	12	3.16	62.2	1049.0	6.13	7.67
2	30-00	0.0741	16	0.51	9.3	361.9	0.77	23.48
3	00-15	0.0201	8	3.38	68.3	1170.0	2.54	6.89
4	15-30	0.0705	11	1.20	23.4	727.8	3.19	11.55
5	30-45	0.1360	13	0.69	8.5	634.6	4.64	13.65
6	45-30	0.1268	12	0.19	2.3	230.8	0.92	37.75
7	30-60	0.2163	17	1.49	56.7	779.0	6.38	10.17
8	60-45	0.1716	12	0.19	2.3	252.9	1.82	34.52
9	45-60	0.2043	14	0.57	13.9	647.3	6.27	13.23
10	60-15	0.3367	30	0.47	3.8	243.7	1.24	35.34
11	15-60	0.3136	26	1.24	46.8	803.4	7.51	10.08
12	60-00	0.1973	21	0.50	4.5	258.0	1.44	33.30
13	00-60	0.3313	32	1.18	37.0	841.2	8.13	9.83
14	60-30	0.2994	23	0.35	3.2	234.2	1.34	36.93
15	30-15	0.0579	9	0.29	7.1	267.5	0.85	31.75
16	15-00	0.0173	8	1.46	41.7	679.7	0.64	11.84
17	00-45	0.1759	22	1.55	33.8	847.4	6.99	9.80
18	45-15	0.1392	16	0.33	4.6	240.1	0.80	35.72
19	15-45	0.1528	18	1.14	25.0	797.9	6.21	10.56
20	45-00	0.1304	19	0.52	6.7	280.5	0.81	30.33
21	00-60	0.2654	25	2.09	85.2	900.7	7.46	8.52
22	60-00	0.2634	28	0.68	5.8	261.9	1.27	32.49
23	00-30	0.0737	15	1.94	41.4	939.9	5.37	8.78
24	30-60	0.3134	25	0.70	19.3	675.7	6.38	12.53
25	60-30	0.2362	18	0.32	3.5	228.6	1.39	37.75
26	30-00	0.0444	10	0.46	12.2	368.8	1.03	22.79
27	00-60	0.4009	38	0.94	21.5	748.3	7.07	11.30
28	60-00	0.3293	35	0.63	6.8	267.4	1.18	31.69
29	00-30	0.0886	18	1.76	36.4	846.9	4.67	9.76
30	30-60	0.2599	21	0.99	35.1	728.5	6.63	11.28
31	60-30	0.1813	14	0.32	4.1	227.2	1.49	37.82
32	30-00	0.0592	13	0.50	14.1	358.9	0.86	23.19
TOTAL CALCULATED RESULTS				0.78	17.7	504.9	3.69	16.58
TOTAL BAG RESULTS				0.82	17.7	507.9	3.57	16.49
33	IDLE			0.35	7.6	80.3	0.11	95.13
34	5 MPH STEADY STATE			4.62	91.0	983.7	1.00	7.78
35	10 MPH STEADY STATE			1.74	37.5	634.7	0.57	12.69
36	15 MPH STEADY STATE			1.08	24.4	436.5	0.49	18.56
37	30 MPH STEADY STATE			0.35	3.6	366.3	1.28	23.79
38	45 MPH STEADY STATE			0.22	1.6	386.6	1.89	22.78
39	60 MPH STEADY STATE			0.21	2.5	452.0	4.14	19.44

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

TABLE 8 CONT'D

SUMMARY OF MODAL EMISSION RESULTS ON 44 1976 MODEL YEAR VEHICLES

HOUSTON

MODE NO.	FROM-TO (MPH)	DISTANCE (MILES)	TIME (SEC)	HC	CO	CO2	NOX	FUEL ECON
1	00-30	0.0602	12	4.45	74.1	1084.4	8.11	7.31
2	30-00	0.0741	16	1.18	16.7	367.3	1.01	22.34
3	00-15	0.0201	8	5.43	108.1	1178.0	3.20	6.50
4	15-30	0.0705	11	1.99	31.6	739.8	4.45	11.15
5	30-45	0.1360	13	1.00	12.3	648.0	6.15	13.24
6	45-30	0.1268	12	0.43	2.8	238.2	1.13	36.38
7	30-60	0.2163	17	1.78	55.9	819.5	8.57	9.72
8	60-45	0.1716	12	0.32	2.3	258.1	2.18	33.78
9	45-60	0.2043	14	0.79	13.1	667.1	7.80	12.86
10	60-15	0.3367	30	1.11	4.8	251.4	1.49	33.82
11	15-60	0.3136	26	1.61	44.8	824.6	9.41	9.86
12	60-00	0.1973	21	1.30	5.1	267.9	1.77	31.69
13	00-60	0.3313	32	1.54	36.9	866.8	10.02	9.55
14	60-30	0.2994	23	0.76	3.6	241.5	1.63	35.55
15	30-15	0.0579	9	0.53	10.5	276.6	0.92	30.10
16	15-00	0.0173	8	2.36	64.4	697.1	0.89	11.02
17	00-45	0.1759	22	2.02	40.0	873.5	8.58	9.41
18	45-15	0.1392	16	0.84	5.8	246.2	0.93	34.40
19	15-45	0.1528	18	1.58	30.7	812.0	7.75	10.26
20	45-00	0.1304	19	1.35	9.1	289.6	1.01	28.80
21	00-60	0.2654	25	2.48	78.0	945.5	9.97	8.25
22	60-00	0.2634	28	1.32	7.1	273.1	1.58	30.78
23	00-30	0.0737	15	2.73	48.5	964.6	7.18	8.46
24	30-60	0.3134	25	0.90	18.9	696.9	8.18	12.17
25	60-30	0.2362	18	0.67	3.5	239.4	1.72	35.94
26	30-00	0.0444	10	0.83	16.8	377.5	1.25	21.83
27	00-60	0.4009	38	1.25	25.0	773.2	8.89	10.87
28	60-00	0.3293	35	1.32	8.2	276.1	1.51	30.27
29	00-30	0.0886	18	2.39	43.3	867.4	6.08	9.41
30	30-60	0.2599	21	1.20	32.6	756.1	8.59	10.94
31	60-30	0.1813	14	0.52	3.6	236.4	1.85	36.42
32	30-00	0.0592	13	1.01	19.1	364.7	1.09	22.30
TOTAL CALCULATED RESULTS				1.23	19.6	520.1	4.62	16.00
TOTAL BAG RESULTS				1.23	19.7	519.7	4.29	16.01
33	IDLE			0.60	12.1	79.5	0.13	88.40
34	5 MPH STEADY STATE			6.87	140.9	967.9	1.30	7.33
35	10 MPH STEADY STATE			3.02	60.3	604.4	0.73	12.52
36	15 MPH STEADY STATE			1.90	39.5	409.2	0.50	18.60
37	30 MPH STEADY STATE			0.65	8.0	347.0	1.40	24.54
38	45 MPH STEADY STATE			0.42	2.1	383.7	2.16	22.85
39	60 MPH STEADY STATE			0.30	1.7	448.4	4.60	19.63

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

TABLE 8 CONT'D

SUMMARY OF MODAL EMISSION RESULTS ON 20 DIESEL VEHICLES

PHOENIX

MODE NO.	FROM-TO (MPH)	DISTANCE (MILES)	TIME (SEC)	HC	CO	CO2	NOX	FUEL ECON
1	00-30	0.0602	12	2.10	6.8	704.8	2.44	14.09
2	30-00	0.0741	16	0.82	1.4	160.7	0.78	61.52
3	00-15	0.0201	8	2.08	3.6	693.9	2.91	14.41
4	15-30	0.0705	11	1.02	2.4	492.3	2.02	20.38
5	30-45	0.1360	13	0.82	2.8	447.7	1.80	22.38
6	45-30	0.1268	12	0.37	0.8	136.5	0.70	73.25
7	30-60	0.2163	17	0.99	7.5	520.8	1.82	18.99
8	60-45	0.1716	12	0.76	1.7	196.8	1.14	50.40
9	45-60	0.2043	14	0.78	5.5	492.9	1.89	20.19
10	60-15	0.3367	30	0.72	1.3	132.5	0.79	74.37
11	15-60	0.3136	26	1.13	11.0	619.2	2.20	15.90
12	60-00	0.1973	21	0.70	1.4	139.4	0.86	70.73
13	00-60	0.3313	32	1.18	12.1	658.2	2.43	14.94
14	60-30	0.2994	23	0.69	1.4	137.8	0.84	71.50
15	30-15	0.0579	9	0.39	0.8	129.6	0.67	77.00
16	15-00	0.0173	8	1.33	3.3	334.3	1.61	29.60
17	00-45	0.1759	22	1.25	8.7	647.0	2.32	15.31
18	45-15	0.1392	16	0.37	0.9	116.4	0.62	85.49
19	15-45	0.1528	18	1.10	6.7	577.3	2.17	17.21
20	45-00	0.1304	19	0.41	1.1	126.0	0.67	78.83
21	00-60	0.2654	25	1.19	11.0	635.9	2.26	15.49
22	60-00	0.2634	28	0.68	1.7	142.9	0.84	68.91
23	00-30	0.0737	15	1.13	5.5	665.8	2.58	15.01
24	30-60	0.3134	25	0.93	8.3	519.0	1.96	19.02
25	60-30	0.2362	18	0.66	1.4	141.7	0.86	69.69
26	30-00	0.0444	10	0.47	1.4	159.3	0.81	62.45
27	00-60	0.4009	38	0.94	8.4	590.0	2.29	16.79
28	60-00	0.3293	35	0.78	1.6	142.7	0.84	68.89
29	00-30	0.0886	18	1.04	4.0	609.7	2.52	16.43
30	30-60	0.2599	21	1.06	9.1	546.7	2.01	18.03
31	60-30	0.1813	14	0.62	1.5	143.4	0.88	68.91
32	30-00	0.0592	13	0.48	1.5	145.9	0.74	67.92
TOTAL CALCULATED RESULTS				0.79	4.7	369.6	1.60	26.82
TOTAL BAG RESULTS				0.79	4.7	370.3	1.57	26.76
33	IDLE			0.18	0.3	36.5	0.17	270.97
34	5 MPH STEADY STATE			2.70	4.2	488.1	2.20	20.22
35	10 MPH STEADY STATE			2.61	4.8	471.7	1.92	20.87
36	15 MPH STEADY STATE			1.22	2.9	347.6	1.41	28.58
37	30 MPH STEADY STATE			0.81	1.9	254.5	1.12	39.12
38	45 MPH STEADY STATE			0.44	1.3	267.1	1.28	37.63
39	60 MPH STEADY STATE			0.54	1.9	350.3	1.96	28.66

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

APPENDIX M - FEDERAL THREE MODE EMISSION RESULTS performed on all vehicles in Chicago and all gasoline powered vehicles in Phoenix.

APPENDIX N - ALTERNATE FEDERAL THREE MODE EMISSION RESULTS performed on 397 gasoline powered vehicles at the Phoenix site.

APPENDIX O - NEW YORK CITY CYCLE EMISSIONS RESULTS performed on fifty 1975, fifteen 1971, thirty-five 1970, and fifty pre-1969 model year passenger cars in Phoenix.

4. ACKNOWLEDGEMENTS

The knowledge and experience of Matthew Macocha, EPA's Project Officer, have been of invaluable benefit during the course of this program and we wish to acknowledge the assistance and guidance he has provided. We also acknowledge and wish to thank Mesrs. John White, John Shelton, Tom Bejma, Bob Garby, and other EPA staff members for their responsiveness and guidance.

Dale Wells of Region VIII EPA and Betty Williamson of Region VI EPA are both acknowledged for their assistance with public affairs.

5. APPENDICES

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APPENDIX A - LISTING OF VEHICLE AND TEST PARAMETERS

Legend

VEH - Vehicle Number

RUN - Run Number

DATE - Date of Test (month, day, year)

YR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

C - Number of Cylinders or Rotors

CID - Engine Displacement in Cubic Inches

V - Number of Carburetor Venturis (0: fuel injection)

T - Type of Transmission (1: automatic; 2: semi-automatic; 3: 3-speed manual; 4: 4-speed manual; 5: 5-speed manual)

ENGINE FAM - Engine Family

A - Air Conditioning? (1: Yes; 2: No)

FT - Fuel Tank Capacity in Gallons

IRPM - Idle RPM, measured

IRPMS - Idle RPM, specified

DW - Ignition Point Dwell in Degrees, measured (99: electronic ignition)

DWS - Ignition Point Dwell in Degrees, specs. (99: electronic ignition)

IGN - Ignition Timing in Degrees, measured (+ indicates before top dead center; - indicates after top dead center; 000 indicates top dead center)

IGNS - Ignition Timing in Degrees, Manufactures Specifications (+ indicates before top dead center; - indicates after top dead center; 000 indicates top dead center)

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INRT - Dynamometer Inertia Weight Setting

RLHP - Road Load Horsepower Setting

L - Was 10% RLHP added to simulate air conditioner (1: Yes; 2: No)

DB - Dry Bulb Temperature (degrees Fahrenheit)

WB - Wet Bulb Temperature (degrees Fahrenheit)

BAROM - Barometric Pressure (inches Hg)

APPENDIX A

LISTING OF VEHICLES AND TEST PARAMETERS

DENVER

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	INPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
7001	D431	021177	76	CHEV	C10	8	350	2	1	12J2	2	20	620	600	99	99	+08	+06	4000	12.0	2	70	56	24.74
7002	D421	020977	76	CHEV	G10	8	350	2	1	12J2	1	20	660	600	99	99	+07	+06	4000	13.2	1	77	62	24.72
7003	D426	021077	76	CHEV	VAN	8	350	4	1	12J4	2	26	620	600	99	99	+08	+08	4000	12.0	2	76	58	24.75
7004	D413	020777	76	CHEV	C10	8	350	4	1	12J4	2	20	640	600	99	99	+08	+08	4000	13.2	1	74	58	24.85
7005	D393	012777	76	DODG	VAN	6	225	1	3	TD22515S	2	23	830	750	99	99	000	+02	3500	11.2	2	71	50	24.44
7006	D409	020477	76	DODG	B100	8	360	2	1	TD36025S	2	26	720	700	99	99	+07	+06	3500	12.3	1	78	58	24.72
7007	D432	021177	76	FORD	F100	6	300	1	3	300-1CMF	2	17	820	700	99	99	+19	+12	4000	12.0	2	77	66	24.72
7008	D434	021177	76	FORD	F100	8	390	2	1	360-390	2	19	625	650	99	99	+06	+06	4000	12.0	2	82	60	24.78
7009	D297	011377	76	FORD	F100	8	390	2	1	360-390	2	21	585	650	99	99	+12	+12	4000	13.2	1	75	60	24.45
7010	D179	112476	76	DATS	PICK	4	119	1	4	N-101	2	12	930	750	55	55	+12	+12	2500	9.4	2	78	58	24.70
7011	D274	010677	75	CHEV	C10	8	350	4	4	12J4B	2	20	700	600	99	99	-04	+06	4000	12.0	2	73	50	24.60
7012	D310	011777	75	CHEV	C10	8	350	2	1	12J2	2	20	645	600	99	99	+13	+06	4000	12.0	2	73	56	24.79
7013	D215	121376	75	CHEV	VAN	8	350	4	1	12J4	2	22	600	600	99	99	+10	+06	4000	13.2	1	74	50	24.70
7014	D282	010777	75	DODG	VAN	8	318	2	1	TD31825S	1	23	850	750	99	99	+11	+02	4000	12.0	2	73	50	24.63
7015	D408	020477	75	FORD	F100	8	302	2	1	302H1CEF	2	19	530	650	99	99	+02	+12	4000	12.0	2	76	63	24.60
7016	D275	010677	75	FORD	F100	8	390	2	1	360-390	2	19	550	650	99	99	+06	+06	4000	12.0	2	75	53	24.59
7017	D265	010477	75	FORD	E100	8	351	2	1	351W-ML	2	18'	705	650	99	99	+15	+08	4000	13.2	1	72	50	24.66
6018	D279	010677	76	AMC	HORN	6	258	2	1	II	1	16	615	700	99	99	+10	+08	3500	11.2	2	76	55	24.60
6019	D277	010677	76	BUIC	CNTY	8	350	2	1	40J2	1	22	560	600	99	99	+10	+12	4000	13.2	1	75	58	24.65
6020	D433	021177	76	BUIC	LESA	8	350	4	1	40J4	1	26	590	600	99	99	+12	+12	4500	14.0	1	77	68	24.71
6021	D407	020377	76	CADI	DEVI	8	500	4	1	60V4	1	28	540	600	99	99	+08	+06	5500	15.3	1	74	57	24.69
6022	D381	012577	76	CHEV	STAW	8	350	2	1	10J2	2	22	630	600	99	99	+12	+06	4500	14.0	1	74	53	24.60
6023	D234	121776	76	CHEV	CHEL	8	350	2	1	10J2	1	28	680	630	99	99	+09	+06	4000	13.2	1	75	58	24.63
6024	D367	012177	76	CHEV	STAW	4	140	2	1	10C2	1	16	910	750	99	99	+23	+12	3000	11.3	1	76	59	24.88
6025	D420	020977	76	CHEV	MONT	8	400	4	1	10K4J	1	22	640	600	99	99	+08	+08	4000	13.2	1	74	57	24.72
6026	D321	011877	76	CHEV	MONT	8	305	2	1	10G2	1	22	590	600	99	99	+11	+08	4000	13.2	1	75	57	24.68
6027	D193	120676	76	CHEV	NOVA	6	250	1	1	10F1	1	21	600	550	99	99	+16	+10	3500	11.2	2	73	53	24.58
6028	D401	020177	76	CHEV	CHET	4	085	1	4	10W1	2	13	950	800	99	99	+08	+08	2250	8.8	2	78	58	24.58
6029	D262	010477	76	DODG	STAW	8	318	2	1	FD31825S	1	18	725	900	99	99	-01	+02	4000	13.2	1	74	52	24.49
6030	D287	010877	76	DODG	STAW	6	225	1	1	FD22515S	1	18	810	750	99	99	+08	+02	4000	12.0	2	75	56	24.61
6031	D328	012077	76	FORD	PINT	4	140	2	4	2.3-1CEF	2	13	850	800	99	99	+01	+06	2750	9.9	2	75	57	24.79
6032	D198	120876	76	FORD	LTD	8	400	2	1	351M400	1	24	690	650	99	99	+12	+12	4500	14.0	1	76	56	24.68
6033	D335	012177	76	FORD	ELIT	8	351	2	1	351M400	1	27	560	650	99	99	+02	+06	4500	14.0	1	71	54	24.95
6034	D224	121576	76	FORD	GRAN	6	250	1	1	250-1CEF	1	19	580	600	99	99	+15	+12	3500	12.3	1	77	54	24.83
6035	D299	011477	76	FORD	GRAN	8	302	2	1	302A1CEF	1	19	560	650	99	99	+02	+06	3500	12.3	1	75	55	24.53
6036	D296	011377	76	FORD	STAW	8	351	2	1	351M400	1	21	600	650	99	99	+04	+04	5000	14.7	1	75	55	24.41
6037	D302	011477	76	MERC	COUG	8	400	2	1	351M400	1	27	575	650	99	99	+10	+12	4500	14.0	1	76	54	24.53
6038	D390	012777	76	MERC	COME	6	250	1	1	250-1CEF	2	19	620	600	99	99	+12	+12	3000	11.3	1	74	53	24.32
6039	D416	020877	76	OLDS	CUTL	8	350	4	1	30J4	1	22	[illegible]	650	99	99	+20	+22	4000	13.2	1	75	60	24.80
6040	D232	121776	76	OLDS	STAW	8	350	4	1	30J4	1	22	600	650	99	99	+20	+20	4500	14.0	1	72	55	24.74
6041	D402	020277	76	OLDS	TORO	8	455	4	1	30S4	1	26	550	650	99	99	+14	+14	5000	14.7	1	76	60	24.69
6042	D315	011877	76	PLYM	VOLA	6	225	1	1	FD22515S	1	18	[illegible]	750	99	99	+02	+02	3500	11.2	2	73	56	24.97
6043	D370	012177	76	PLYM	FURY	8	318	2	3	FD31825S	1	26	715	750	99	99	+07	+02	4000	13.2	1	76	57	24.74
6044	D194	120776	76	PONT	LEMA	8	350	2	1	20K2	1	21	630	650	99	99	+20	+16	4000	13.2	1	72	55	24.54
6045	D333	012077	76	PONT	STAW	8	400	2	1	20K2	1	22	640	650	99	99	+12	+16	4500	14.0	1	80	60	24.97
6046	D162	111976	76	DATS	B210	4	085	2	4	N-081	2	12	930	700	51	51	+15	+10	2250	8.8	2	73	55	24.65
6047	D307	011577	76	DATS	STAW	4	119	2	4	N-091	2	13	800	750	56	54	+12	+12	2750	10.9	1	74	50	24.55
6048	D417	020877	76	TOYO	STAW	4	097	2	4	2VC-70-1	2	12	740	850	55	54	+00	+10	2500	9.4	2	77	61	24.78
6049	D334	012177	76	TOYO	CELI	4	133	2	5	20R80-1	1	13	620	850	59	54	+07	+08	3000	11.3	1	73	55	24.98
6050	D261	010477	76	VOLK	DASH	4	097	0	4	F2	2	12	840	950	51	50	-03	-03	2500	9.4	2	72	51	24.46
6051	D317	011877	76	VOLK	RABB	4	097	2	4	32F	1	12	1005	950	45	48	-03	-03	2250	8.8	2	76	59	24.87
5052	D217	121476	75	AMC	STAW	6	258	1	1	I	2	16	550	550	99	99	+05	+03	3000	10.3	2	78	54	24.71
5053	D306	011477	75	BUIC	CNTY	8	350	4	1	40J43	1	22	615	600	99	99	+18	+12	4000	13.2	1	72	50	24.59
5054	D226	121676	75	BUIC	RIVI	8	455	4	1	40J43	1	26	640	600	99	99	+12	+12	5000	14.7	1	75	53	24.80
5055	D219	121476	75	CADI	DEVI	8	500	4	1	60V43	1	28	600	600	99	99	+12	+06	5500	15.3	1	72	53	24.76
5056	D250	122276	75	CHEV	VEGA	4	140	2	4	10C21	2	16	1130	700	99	99	+13	+10	2750	9.9	2	75	53	24.73
5057	D245	122276	75	CHEV	MALI	8	350	2	1	10J23	1	22	730	600	99	99	+12	+06	4000	13.2	1	73	57	24.70
5058	D267	010577	75	CHEV	IMPA	8	350	2	1	10J23	1	26	630	600	99	99	+05	+06	4500	14.0	1	72	50	24.69
5059	D241	122176	75	CHEV	STAW	8	400	4	1	10K43A	1	22	550	600	99	99	+09	+08	5000	14.7	1	77	56	24.80
5060	D203	120976	75	CHEV	NOVA	6	250	1	1	10F13N	2	21	650	600	99	99	+14	+08	3500	11.2	2	76	57	24.54
5061	D206	120976	75	CHRY	CORD	8	360	2	1	FLA2L-C	1	27	650	750	99	99	+10	+06	4500	14.0	1	75	57	24.66
5062	D216	121476	75	DODG	CORO	8	318	2	1	FLA2-6C	2	26	800	750	99	99	-06	-02	4000	13.2	1	75	53	24.70
5063	D211	121076	75	FORD	PINT	4	140	2	4	2.3"A"	2	13	950	750	99	99	+11	+06	2750	9.9	2	75	55	24.84
5064	D240	122176	75	FORD	LTD	8	351	2	1	351M400	1	24	550	650	99	99	+12	+08	4500	14.0	1	75	61	24.76
5065	D229	121776	75	FORD	LTD	8	400	2	1	351M400	1	24	580	700	99	99	+08	+06	4500	14.0	1	75	52	24.80
5066	D225	121676	75	FORD	GRAN	6	250	1	1	250-1CEF	1	19	620	600	99	99	+10	+06	3500	11.2	2	79	54	24.81
5067	D212	121176	75	FORD	GRAN	8	302	2	1	302-1CMF	1	19	670	650	99	99	+06	+06	3500	11.2	2	75	54	24.80
5068	D256	122476	75	MERC	COUG	8	400	2	1	351M400	1	27	650	700	99	99	+11	+08	4500	14.0	1	73	59	24.46
5069	D197	120776	75	OLDS	CUTL	8	350	4	1	30J43	1	22	510	650	99	99	+33	+20	4000	13.2	1	77	56	24.67
5070	D313	011777	75	OLDS	NNTY	8	455	4	1	30S43	1	26	570	650	99	99	+14	+16	5000	14.7	1	76	61	25.02
5071	D202	120876	75	PLYM	DUST	6	225	1	3	F-RG-C	2	16	800	800	99	99	+08	000	3500	11.2	2	80	58	24.57
5072	D207	121076	75	PLYM	FURY	8	318	2	1	FLA2-6C	1	26	650	750	99	99	+05	+02	4000	13.2	1	78	59	24.75
5073	D195	120876	75	PONT	STAW	8	400	2	1	20K23	1	22	650	650	99	99	+16	+16	5000	14.7	1	79	56	24.65
5074	D257	122476	75	PONT	FIRE	8	350	4	1	20K43	1	22	660	650	99	99	+19	+16	4000	13.2	1	75	58	24.46
5075	D128	111076	75	DATS	B210	4	085	2	4	N-051	2	12	760	700	54	54	+10	+10	2250	8.8	2	79	58	24.84
5076	D154	111876	75	TOYO	CORO	4	133	2	1	20-R	1	15	1050	850	26	50	+20	+08	3000	11.3	1	72	61	24.75
5077	D143	111576	75	TOYO	CORO	4	097	2	4	2T-C	2	13	820	850	57	54	+05	+10	2500	9.4	2	74	61	24.70
5078	D159	111876	75	VOLK	SEDA	4	097	0	4	2	2	11	1050	875	52	52	+13	-05	2250	8.8	2	75	57	24.71
5079	D281	010777	75	VOLK	RABB	4	090	2	4	32	2	12	1080	950	54	44	+05	-03	2000	8.3	2	76	56	24.62
4080	D080	102776	74	AMC	MATA	8	304	2	1	II	1	25	640	700	28	29	+07	+05	4000	13.2	1	78	57	24.97

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APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

DENVER

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
4081	D061	102076	74	BUIC	LESA	8	455	4	1	402-4	1	26	700	650	34	30	+14	+04	4500	14.0	1	76	70	24.85
4082	D017	100576	74	CADI	DEVI	8	472	4	1	501	1	28	720	600	99	99	+10	+10	5500	15.3	1	75	58	24.72
4083	D016	100576	74	CHEV	VEGA	4	140	1	1	101-1	2	16	710	750	44	32	+10	+12	2750	9.9	2	73	62	24.92
4084	D060	102076	74	CHEV	MALI	8	350	2	1	104-2A	1	22	660	600	30	30	+14	+08	4000	13.2	1	77	70	24.95
4085	D033	101176	74	CHEV	NOVA	6	250	1	3	102	2	21	800	850	37	33	+10	+08	3500	11.2	2	76	65	24.80
4086	D111	110576	74	CHEV	NOVA	8	350	2	1	104-2A	2	21	580	600	27	30	+16	+08	3500	11.2	2	78	57	24.79
4087	D145	111676	74	CHEV	VETT	8	350	4	1	104-4	2	18	500	700	38	30	+16	+08	3500	12.3	1	73	66	24.76
4088	D169	112276	74	CHEV	IMPA	8	400	2	1	104-2A	1	26	640	600	28	30	+16	+08	4500	14.0	1	74	54	24.86
4089	D021	100776	74	CHRY	NEWP	8	400	2	1	B-2V	1	25	980	750	99	99	+09	+07	4500	14.0	1	77	61	25.06
4090	D181	112476	74	DODG	CORO	8	318	2	1	LA-2V	1	20	790	750	99	99	+05	000	4000	13.2	1	75	53	24.62
4091	D091	110176	74	FORD	STAW	4	122	2	4	2.0L	2	12	770	750	37	37	+06	+06	3000	10.3	2	74	62	24.82
4092	D144	111576	74	FORD	MAVE	8	302	2	1	302	2	15	590	650	31	30	+10	+12	3000	11.3	1	74	65	24.70
4093	D063	102176	74	FORD	MAVE	6	250	1	1	250	1	15	620	600	33	33	+14	+06	3000	10.3	2	73	66	24.85
4094	D074	102576	74	FORD	GALA	8	400	2	1	400	1	22	460	625	99	99	+15	+12	4500	14.0	1	76	56	24.69
4095	D099	110276	74	FORD	TORI	8	351	2	1	351W	1	27	550	600	20	24	+09	+10	4000	13.2	1	74	59	25.09
4096	D161	111976	74	MERC	COME	8	302	2	1	302W	2	15	520	650	29	29	+06	+12	3500	12.3	1	77	58	24.76
4097	D022	100776	74	OLDS	CUTL	8	350	4	1	301-4	1	22	650	650	28	30	+20	+12	4000	13.2	1	70	60	25.09
4098	D014	100576	74	OLDS	NNTY	8	455	4	1	302-4	1	26	670	650	99	99	+19	+08	5000	14.7	1	75	60	24.77
4099	D042	101476	74	PLYM	SATE	8	318	2	1	LA-2V	1	20	620	750	99	99	+04	000	4000	13.2	1	73	61	24.70
4100	D096	110276	74	PLYM	DUST	6	225	1	3	RG	2	16	760	800	99	99	000	000	3500	11.2	2	78	70	24.99
4101	D178	112476	74	PONT	FIRE	8	350	2	1	201-2	1	22	550	625	28	30	+13	+10	4000	13.2	1	75	56	24.81
4102	D045	101576	74	DATS	STAW	4	119	2	4	L20B	2	14	620	750	56	55	+15	+12	2750	9.9	2	80	66	24.87
4103	D044	101576	74	TOYO	CORO	4	097	2	5	2TC	2	11	710	750	54	54	+17	+08	2250	8.8	2	78	65	24.84
4104	D084	102876	74	TOYO	CORO	4	120	2	1	18R-C	2	15	870	800	52	52	+07	+07	2750	10.9	1	77	56	24.83
4105	D065	102176	74	VOLK	SEDA	4	097	1	4	1	2	11	1200	875	47	47	+10	+07	2250	9.7	1	75	55	24.70
4106	D083	102876	74	VOLK	SEDA	4	097	1	4	1	2	11	980	875	47	47	+07	+07	2250	8.8	2	75	55	24.88
3107	D058	102076	73	AMC	STAW	6	232	1	3	360-401MAN.T	1	16	820	750	31	31	+10	+05	3000	10.3	2	76	64	24.91
3108	D005	093076	73	BUIC	CNTR	8	455	4	1	455	1	26	450	650	34	30	-04	+04	4500	14.0	1	72	61	24.84
3109	D064	102176	73	BUIC	REGA	8	350	2	1	BA350	1	22	750	650	28	30	+10	+04	4000	13.2	1	72	63	24.84
3110	D066	102276	73	CADI	DEVI	8	472	4	1	GM501	1	28	540	600	31	30	+13	+08	5000	14.7	1	78	56	24.68
3111	D148	111676	73	CHEV	STAW	4	140	2	4	WU140	2	11	720	700	37	31	+20	+10	2750	9.9	2	74	54	24.90
3112	D121	110976	73	CHEV	MONT	8	350	2	1	WF350	1	22	580	600	32	30	+14	+08	4000	13.2	1	77	64	24.82
3113	D076	102576	73	CHEV	NOVA	8	350	2	1	WF350	1	21	540	600	29	30	+09	+08	3500	11.2	2	78	57	24.65
3114	D068	102276	73	CHEV	IMPA	8	350	2	1	WF350	1	26	520	600	31	30	+06	+08	4500	14.0	1	75	54	24.64
3115	D106	110476	73	CHEV	IMPA	8	350	2	1	WF350	1	26	520	600	45	30	000	+08	4500	14.0	1	77	72	24.99
3116	D123	110976	73	DODG	DART	6	225	1	1	RG-225	1	16	800	750	99	99	+31	000	3000	11.3	1	77	58	24.84
3117	D410	020477	73	FORD	PINT	4	122	2	4	2	2	11	850	750	44	41	+08	+06	2500	9.4	2	78	64	24.85
3118	D100	110376	73	FORD	TORI	8	351	2	1	351-C	1	23	500	700	30	32	+08	+14	4000	13.2	1	79	61	25.10
3119	D079	102676	73	FORD	MAVE	8	302	2	1	W302	2	15	520	650	24	24	+10	+06	3000	10.3	2	78	57	24.93
3120	D067	102276	73	FORD	CUST	8	351	2	1	351W	1	22	500	600	27	27	+15	+06	4500	14.0	1	73	53	24.67
3121	D094	110176	73	FORD	LTD	8	400	2	1	400	1	22	580	625	26	26	+11	+12	4500	14.0	1	77	68	24.91
3122	D093	110176	73	MERC	MONT	8	400	2	1	400	1	22	580	625	33	24	+10	+06	4500	14.0	1	76	57	24.83
3123	D081	102776	73	OLDS	STAW	8	455	4	1	OD455	1	22	620	650	37	30	+20	+08	5500	15.3	1	76	57	24.93
3124	D085	102876	73	OLDS	CUTL	8	350	4	1	GM301-350CID	1	22	680	650	34	30	+12	+12	4000	13.2	1	78	57	24.76
3125	D097	110276	73	PLYM	SATE	8	318	2	1	318-LA	1	20	640	700	99	99	+06	000	4000	13.2	1	77	68	25.10
3126	D105	110476	73	PLYM	VALI	6	225	1	1	225-RG	2	16	840	750	99	99	+04	000	3000	10.3	2	77	67	25.02
3127	D172	112376	73	PONT	CATA	8	400	2	1	PE400-GM201	1	26	630	650	31	30	+10	+12	4500	14.0	1	77	59	24.90
3128	D089	102976	73	PONT	STAW	8	350	2	1	PA350-GM201	1	22	650	650	29	30	+07	+12	4500	14.0	1	76	57	24.71
3129	D176	112476	73	DATS	240Z	6	146	2	4	L-24	2	16	885	750	39	39	+07	+07	2750	9.9	2	78	57	24.81
3130	D086	102976	73	OPEL	MANT	4	116	2	4	116-GM601	2	12	1020	850	44	50	-04	000	2500	9.4	2	76	55	24.72
3131	D034	101276	73	TOYO	CORO	4	097	2	4	3KC	2	12	700	750	53	53	+08	+05	2000	8.3	2	77	65	24.85
3132	D132	111176	73	VOLK	STAW	4	103	0	1	N/A	2	13	850	900	53	53	+27	+27	4000	12.0	2	73	60	24.90
3133	D052	101976	73	VOLK	SEDA	4	097	1	4	TYPE 1	2	11	950	800	49	49	-05	-05	2250	8.8	2	76	57	24.95
2134	D082	102876	72	AMC	GREM	6	258	1	1	258	1	21	670	550	26	31	+07	+03	2750	9.9	2	75	55	24.91
2135	D069	102276	72	BUIC	STAW	8	455	4	1	BE-455	1	22	520	650	99	99	+09	+04	5500	15.3	1	75	54	24.64
2136	D182	112576	72	CADI	DEVI	8	472	4	1	KA472	1	28	610	600	29	30	+10	+08	5000	14.7	1	74	52	24.56
2137	D062	102176	72	CHEV	STAW	4	140	2	4	XH140	2	11	850	700	35	34	+10	+06	2750	9.9	2	74	64	24.85
2138	D030	101176	72	CHEV	MALI	8	350	4	1	LL350-4BBL	1	19	540	600	31	30	+09	+06	3500	12.3	1	72	65	24.72
2139	D073	102576	72	CHEV	ELCA	8	350	2	1	LQ350	1	19	450	600	30	30	+09	+06	3500	11.2	2	76	56	24.61
2140	D180	112476	72	CHEV	NOVA	8	307	2	1	LC307-GM103	2	16	590	600	31	30	+12	+08	3500	11.2	2	74	54	24.66
2141	D166	112276	72	CHEV	IMPA	8	400	2	1	LQ400-GM104	1	24	680	600	31	30	+16	+06	4500	14.0	1	75	56	24.78
2142	D040	101376	72	CHEV	IMPA	8	400	2	1	LQ400-2BBL	1	24	620	600	33	30	+03	+06	4500	14.0	1	76	60	24.80
2143	D088	102976	72	DODG	CHAR	8	318	2	1	318LA	1	21	660	750	99	99	+05	000	3500	12.3	1	72	52	24.73
2144	D168	112276	72	FORD	PINT	4	122	2	4	2.0	1	11	810	750	45	40	+11	+06	2500	9.4	2	76	59	24.75
2145	D057	101976	72	FORD	TORI	8	351	2	1	351C-2U	1	23	580	575	36	30	000	+06	4000	13.2	1	78	63	24.90
2146	D188	113076	72	FORD	MAVE	8	302	2	1	302	2	15	580	575	29	29	+16	+06	3000	10.3	2	77	58	24.73
2147	D112	110576	72	FORD	GALA	8	351	2	1	351-W	1	22	560	600	30	29	+06	+06	4000	13.2	1	75	59	24.81
2148	D013	100476	72	FORD	STAW	8	400	2	1	400	1	21	600	625	30	30	+07	+08	4500	14.0	1	74	62	24.63
2149	D187	112976	72	MERC	MONG	8	400	2	1	400	1	23	550	625	33	30	+02	+08	4000	13.2	1	76	55	24.73
2150	D032	101176	72	OLDS	CUTL	8	350	2	1	GM301-350CU2	1	20	640	650	29	30	+08	+08	4000	13.2	1	76	64	24.75
2151	D104	110376	72	PLYM	DUST	6	225	1	1	225-RG	2	16	680	750	38	41	+05	000	3000	10.3	2	73	62	25.03
2152	D174	112376	72	PLYM	FRY3	8	360	2	1	360LA	1	23	555	750	30	30	-04	000	4000	13.2	1	74	53	24.82
2153	D110	110576	72	PONT	CATA	8	400	2	1	PM400	1	25	650	625	28	30	+20	+14	4500	14.0	1	77	57	24.78
2154	D170	112376	72	PONT	VENT	8	350	2	1	PA350-GM201	1	16	600	625	27	30	+19	+10	3500	11.2	2	73	60	24.90
2155	D077	102676	72	DATS	510	4	097	2	1	L16	1	12	610	600	60	55	+10	+07	2750	9.9	2	78	59	24.66
2156	D051	101876	72	TOYO	CORO	4	120	2	4	18RC	1	13	540	750	50	50	+07	+07	2500	9.4	2	76	55	24.93
2157	D109	110476	72	VOLK	SEDA	4	097	1	4	AE/BA96.66	2	11	980	950	51	51	+05	-05	2000	8.3	2	75	56	24.78
2158	D127	111076	72	VOLK	SEDA	4	097	1	4	N/A	2	11	1060	850	56	56	+06	-05	2250	8.8	2	75	64	24.71
2159	D071	102476	71	BUIC	STAW	8	455	4	1	HB455	1	22	570	600	40	30	+12	+04	5500	15.3	1	75	56	24.65
2160	D142	111576	71	BUIC	RIVI	8	455	4	1	HB455	1	26	580	600	32	30	+10	+04	4500	12.7	2	72	62	24.71

APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

DENVER

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
1161	D138	111476	71	CHEV	VEGA	4	140	2	4	DU	1	11	1040	800	35	32	+10	+06	2500	9.4	2	72	60	24.61
1162	D141	111576	71	CHEV	NOVA	8	350	2	1	AP	2	16	620	550	30	30	+01	+06	3500	12.3	1	73	61	24.69
1163	D031	101176	71	CHEV	NOVA	6	250	1	1	AM250	2	16	600	500	34	33	+09	+04	3500	11.2	2	76	63	24.73
1164	D046	101576	71	CHEV	IMPA	8	350	2	1	AP350-2BBL	1	24	490	550	32	30	+15	+06	4000	13.2	1	78	67	24.88
1165	D131	111176	71	CHEV	IMPA	8	350	4	1	AQ	1	24	550	550	28	30	+10	+08	4000	12.0	2	73	64	24.88
1166	D101	110376	71	CHRY	NEWY	8	440	4	1	440-F	1	23	670	750	31	31	+09	+05	4500	14.0	1	78	61	25.09
1167	D117	110876	71	DODG	STAW	8	318	2	1	318	2	21	360	700	34	34	+02	000	4000	13.2	1	74	63	24.85
1168	D041	101476	71	FORD	PINT	4	122	2	4	122	2	11	750	750	50	42	+06	+10	2250	8.8	2	74	63	24.72
1169	D036	101276	71	FORD	TORI	8	302	2	1	302-2U	2	20	450	575	35	29	+10	+06	3500	12.3	1	76	68	25.01
1170	D133	111176	71	FORD	MAVE	6	200	1	1	N/A	2	16	700	550	40	38	+14	+06	3000	10.3	2	73	57	24.89
1171	D012	100476	71	FORD	GALA	8	351	2	1	351-2V	2	23	550	600	33	29	+05	+06	4000	13.2	1	75	60	24.73
1172	D235	121876	71	FORD	LTD	8	400	2	1	400	1	23	480	625	33	31	+07	+06	4500	14.0	1	73	57	24.61
1173	D190	120176	71	MERC	COUG	8	351	2	1	351-2BBL	1	20	640	625	35	31	000	+06	3500	12.3	1	76	55	24.86
1174	D135	111276	71	OLDS	NNTY	8	455	2	1	OO	1	25	480	600	38	30	+07	+08	5000	14.7	1	74	60	24.90
1175	D122	110976	71	PLYM	SATE	8	318	2	1	N/A	1	21	640	700	33	33	+01	+01	3500	11.2	2	75	65	24.85
1176	D173	112376	71	PONT	STAW	8	455	4	1	PL455	1	23	520	650	32	30	+14	+12	5000	14.7	1	76	55	24.89
1177	D029	101176	71	PONT	LEMA	8	350	2	1	PD350	2	20	580	650	46	30	+17	+12	3500	12.3	1	74	59	24.72
1178	D166	112976	71	DATS	STAW	4	097	2	4	L16-97.4	2	12	630	700	52	52	+12	+10	2500	9.4	2	74	57	24.63
1179	D184	112876	71	TOYO	CORO	4	113	2	4	8R-C	2	15	750	650	54	54	+23	+10	2500	9.4	2	74	52	24.65
1180	D053	101976	71	VOLK	STAW	4	097	1	4	AE/CA96.66	2	16	850	900	46	46	-07	-05	3000	10.3	2	76	54	24.92
0181	D165	112276	70	AMC	HORN	6	232	1	1	232	2	19	590	550	39	34	000	+03	3000	10.3	2	76	55	24.81
0182	D035	101276	70	BUIC	GRAN	8	455	4	1	GS455	1	20	520	600	34	31	+05	+06	4000	13.2	1	73	65	24.93
0183	D183	112576	70	CHEV	CHEL	8	307	2	1	N/A	2	20	630	600	32	31	+08	+08	3500	11.2	2	74	53	24.51
0184	D075	102576	70	CHEV	CHEL	8	307	2	1	307	1	20	490	600	31	30	+06	+08	3500	11.2	2	77	55	24.60
0185	D147	111676	70	CHEV	MONT	8	350	2	1	350	1	20	560	600	31	31	+10	000	4000	12.0	2	76	58	24.92
0186	D072	102576	70	CHEV	IMPA	8	350	2	1	350-2B	1	25	560	600	32	31	+08	+04	4000	13.2	1	72	61	24.64
0187	D039	101376	70	CHEV	STAW	8	400	4	1	400-V8	1	22	470	600	23	30	+17	+08	4500	14.0	1	75	69	25.03
0188	D120	110976	70	DODG	CHAL	6	225	1	3	225-45	2	18	775	700	44	44	+10	000	3500	11.2	2	76	64	24.80
0189	D146	111676	70	FORD	MUST	8	302	2	1	302-2V	1	22	510	575	34	29	+08	+06	3000	10.3	2	74	66	24.83
0190	D185	112976	70	FORD	LTD	8	390	2	1	390	1	24	550	600	40	28	+18	+06	4000	13.2	1	76	56	24.66
0191	D228	121676	70	FORD	GALA	8	351	2	1	351-2V	1	24	640	600	34	29	+07	+10	4000	12.0	2	73	52	24.81
0192	D055	101976	70	FORD	TORI	8	351	2	1	351W	1	19	530	600	31	29	+05	+06	3500	12.3	1	77	53	24.92
0193	D160	111976	70	MERC	MONR	8	390	2	1	390-2V	1	25	600	600	29	29	+06	+06	4000	13.2	1	77	58	24.69
0194	D139	111476	70	OLDS	CUTL	8	350	2	1	N/A	1	20	575	575	46	30	+25	+10	4000	13.2	1	72	64	24.62
0195	D107	110476	70	PLYM	FRY2	8	383	2	1	383CID	1	24	520	650	33	32	+06	+02	4000	13.2	1	77	70	24.95
0196	D136	111276	70	PLYM	FRY2	8	318	2	1	318	1	24	700	700	29	30	+10	000	4000	12.0	2	75	58	24.91
0197	D130	111176	70	PONT	LEMA	8	350	2	1	PA	2	22	590	650	31	30	+12	+09	4000	13.2	1	76	55	24.86
0198	D164	112176	70	DATS	STAW	4	097	1	4	L16	2	12	600	700	50	50	+07	+10	2500	9.4	2	74	52	24.82
0199	D189	113076	70	TOYO	CORO	4	113	2	1	8R-C	2	12	550	650	49	50	+17	000	2500	9.4	2	77	56	24.80
0200	D157	111876	70	VOLK	SEDA	4	097	1	4	N/A	2	11	960	900	51	51	000	000	2000	8.3	2	75	56	24.74

APPENDIX A

LISTING OF VEHICLES AND TEST PARAMETERS

CHICAGO

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
7001	C804	092976	76	CHEV	C10	8	350	4	3	12J4B	2	21	700	600	99	99	+08	+08	4500	12.7	2	75	59	29.30
7002	C759	092276	76	CHEV	VAN	8	350	2	1	12J2	2	21	660	600	99	99	+08	+06	4000	13.2	1	77	58	29.09
7003	C844	100476	76	CHEV	C10	8	350	4	3	12J4B	2	20	650	600	99	99	+08	+08	4500	12.7	2	74	62	29.19
7004	C640	090276	76	CHEV	C10	8	350	4	1	12J4B	1	20	650	600	99	99	+08	+08	4500	14.0	1	79	62	29.55
7005	C624	083176	76	DODG	VAN	8	318	2	1	TD31825S	2	24	900	750	99	99	+02	+02	3500	11.2	2	77	62	29.35
7006	F001	102376	76	DODG	VAN	6	225	1	1	TD22515S	2	16	850	750	99	99	+02	+02	3500	12.3	1	77	58	29.43
7007	C824	100176	76	FORD	F100	8	302	2	1	302A1CEF	2	19	600	650	99	99	+12	+12	4000	12.0	2	76	60	29.18
7008	C630	090176	76	FORD	F100	8	360	2	1	360-390	1	19	650	650	99	99	+06	+06	4000	12.0	2	77	67	29.35
7009	C834	100276	76	FORD	F100	8	360	2	1	360-390	1	19	600	650	99	99	+06	+06	4000	13.2	1	78	65	29.12
7010	C867	100776	76	FORD	COUR	4	110	2	4	VBT	1	12	750	700	99	99	+08	+05	2750	9.0	2	76	56	29.56
7011	F016	102576	75	CHEV	C10	8	350	2	1	12J23	1	22	650	600	99	99	+08	+06	4000	12.0	2	74	59	29.45
7012	C494	081476	75	CHEV	G10	8	350	4	1	12J43A	1	26	500	600	99	99	+05	+06	4000	12.0	2	77	67	29.22
7013	C419	080376	75	CHEV	VAN	8	350	4	1	12J43A	1	21	560	600	99	99	+10	+06	4000	13.2	1	76	60	29.56
7014	C262	071076	75	DODG	B100	8	318	2	1	TLA25C11	2	20	750	750	99	99	000	+02	4000	12.0	2	76	71	29.23
7015	C432	080576	75	FORD	F100	8	302	2	1	302A1CEF	1	26	750	650	99	99	+18	+12	4000	12.0	2	75	67	29.17
7016	C966	102076	75	FORD	F100	8	302	2	3	302A1CEF	2	21	1000	650	99	99	+06	+06	4000	12.0	2	75	54	29.48
7017	C977	102176	75	FORD	F100	8	360	2	1	360-390	1	22	700	650	99	99	+04	+03	3000	13.2	1	74	53	29.31
6018	C496	081476	76	AMC	HORN	6	258	1	1	I	1	22	530	550	99	99	+09	+09	3000	10.3	2	74	65	29.27
6019	C434	080576	76	BUIC	REGA	8	350	2	1	40J2	1	22	500	600	99	99	+12	+12	4000	13.2	1	77	68	29.17
6020	C639	090276	76	BUIC	STAW	8	455	4	1	40S4	1	22	650	600	99	99	+12	+12	5500	15.3	1	74	61	29.56
6021	C470	081176	76	CADI	DEVI	8	500	4	1	60V4	1	28	650	600	99	99	+06	+06	5500	15.3	1	75	66	29.40
6022	C444	080776	76	CHEV	IMPA	8	350	2	1	LW	1	26	610	600	99	99	+12	+06	4500	14.0	1	76	61	29.49
6023	C439	080676	76	CHEV	MONT	8	350	2	1	10J2	1	22	630	600	99	99	+06	+06	4000	13.2	1	76	67	29.31
6024	C409	080276	76	CHEV	VEGA	4	140	2	1	10C2	1	16	925	750	99	99	+12	+12	2750	10.9	1	77	60	29.68
6025	C275	071276	76	CHEV	STAW	8	400	4	1	10K4J	1	26	600	600	99	99	+08	+08	5500	15.3	1	74	63	29.36
6026	C452	080976	76	CHEV	MALI	8	305	2	1	10G2	1	26	660	600	99	99	+08	+08	4000	13.2	1	75	58	29.49
6027	C587	082676	76	CHEV	CAMA	6	250	1	1	10F1	2	21	550	550	99	99	+10	+12	3500	11.2	2	75	68	29.38
6028	C566	082476	76	CHEV	CHET	4	085	1	4	10W1	2	13	900	600	99	99	+10	+10	2250	8.8	2	78	67	29.49
6029	C994	102376	76	DODG	DART	8	318	2	1	FD31825S	1	16	850	750	99	99	+02	+02	3500	12.3	1	76	54	29.63
6030	C402	073176	76	DODG	DART	6	225	1	1	FD22515S	2	16	740	680	99	99	+04	+04	3500	11.2	2	73	65	29.32
6031	C548	082176	76	FORD	MUST	4	140	2	1	2.31CEF	1	13	800	750	99	99	+20	+20	3000	10.3	2	77	64	29.50
6032	C479	081276	76	FORD	LTD	8	400	2	1	351M400	1	24	600	650	99	99	+15	+16	4500	14.0	1	78	69	29.32
6033	C462	081076	76	FORD	ELIT	8	351	2	1	351M400	1	27	650	650	99	99	+12	+12	4500	14.0	1	76	63	29.39
6034	C001	052876	76	FORD	MAVE	6	250	1	1	2501CEF	1	15	700	600	99	99	+12	+12	3000	11.3	1	77	65	29.30
6035	C418	080376	76	FORD	GRAN	8	302	2	1	302A1CEF	1	19	600	650	99	99	+06	+06	3500	12.3	1	78	61	29.63
6036	C743	092076	76	FORD	STAW	8	351	2	1	351M400	2	21	600	650	99	99	+02	+04	4500	14.0	1	74	59	29.20
6037	C501	081676	76	MERC	MARQ	8	400	2	1	351M400	1	25	750	650	99	99	+12	+12	5000	14.7	1	74	59	29.51
6038	C784	092676	76	MERC	MONA	6	250	1	1	2501CEF	2	25	650	600	99	99	+13	+12	3500	12.3	1	73	62	29.09
6039	C283	071376	76	OLDS	CUTL	8	260	2	1	30H2J	1	22	510	550	99	99	+18	+18	4000	13.2	1	76	63	29.28
6040	C427	080476	76	OLDS	CUTL	8	350	4	1	30J4	1	22	510	650	99	99	+20	+20	4000	13.2	1	76	61	29.42
6041	C364	072676	76	OLDS	MNTY	8	455	4	1	30S4	1	26	400	650	99	99	+16	+16	5000	14.7	1	80	67	29.32
6042	C586	082676	76	PLYM	VALI	6	225	1	1	FD22515S	1	16	600	750	99	99	+02	+02	3500	11.2	2	80	67	29.33
6043	C612	083076	76	PLYM	FURY	8	318	2	1	FD31825S	1	26	700	750	99	99	+02	+02	4000	13.2	1	73	58	29.69
6044	C577	082576	76	PONT	GRNP	8	350	2	1	20K2	1	25	580	650	99	99	+20	+16	4500	14.0	1	79	68	29.37
6045	C799	009287	76	PONT	TRAN	8	400	4	1	2004	1	22	625	650	99	99	+16	+16	4000	13.2	1	74	59	29.48
6046	C487	081376	76	DATS	B210	4	085	2	4	H-081	2	12	800	700	99	99	+10	+10	2250	8.8	2	76	64	29.24
6047	C808	092676	76	DATS	710	4	119	2	1	H-091	1	13	900	650	99	99	+10	+12	2500	10.3	1	78	62	29.18
6048	C511	081776	76	TOYO	CORO	4	097	2	4	2TC-70-1	2	13	900	850	99	99	+10	+10	2500	9.4	2	77	61	29.58
6049	C760	092376	76	TOYO	STAW	4	133	2	5	20R80-1	1	12	875	850	99	99	+06	+08	3000	11.3	1	76	60	29.10
6050	C744	092076	76	VOLK	RABB	4	097	2	4	32F	1	11	1330	925	99	99	-02	-03	2250	8.8	2	76	60	29.19
6051	C556	082376	76	VOLK	RABB	4	097	2	4	32F	2	11	1030	925	99	99	-03	-03	2250	8.8	2	77	65	29.46
6201	C752	092276	76	AMC	STAW	8	304	2	1	II	2	21	730	700	99	99	+09	+10	4500	12.7	2	75	56	29.23
6202	C565	082476	76	AMC	PACE	6	258	1	1	258	1	22	575	600	99	99	+08	+08	3500	11.2	2	77	65	29.51
6203	C459	081076	76	AMC	MATA	8	304	2	1	II	1	25	500	700	99	99	+10	+10	4000	13.2	1	75	63	29.47
6204	C500	081676	76	AMC	GREM	6	232	1	1	I	2	21	500	550	99	99	+08	+08	3000	10.3	2	73	60	29.50
6205	C417	080376	76	BUIC	CNTY	6	231	2	1	40E2Z	2	22	650	600	99	99	+10	+12	4000	12.0	2	75	59	29.67
6206	C446	080876	76	BUIC	LESA	8	350	4	1	40J4	1	26	560	600	99	99	+10	+12	4500	14.0	1	75	61	29.45
6207	C595	082776	76	BUIC	CNTY	8	350	4	1	40J4	2	22	600	600	99	99	+12	+12	4000	13.2	1	80	68	29.20
6208	C632	090176	76	BUIC	ELEC	8	455	4	1	40S4	1	26	600	600	99	99	+06	+06	5000	14.7	1	74	61	29.45
6209	C793	092776	76	BUIC	REGA	8	350	2	1	40J2	2	22	620	600	99	99	+11	+12	4000	13.2	1	73	60	29.39
6210	C447	080876	76	BUIC	SKYH	6	231	2	1	40E2Z	1	18	540	600	99	99	+12	+12	3000	10.3	2	75	62	29.46
6211	C468	081176	76	BUIC	SKYL	8	260	2	1	30H2J	1	21	500	550	99	99	+18	+18	4000	13.2	1	77	68	29.44
6212	C637	090276	76	CADI	SEVI	8	350	0	1	60J0	1	21	530	600	99	99	+08	+10	4500	14.0	1	74	60	29.53
6213	C636	090276	76	CADI	DEVI	8	500	4	1	60V4	1	28	650	600	99	99	+06	+06	5500	15.3	1	73	59	29.53
6214	C902	101276	76	CADI	DEVI	8	500	4	1	60V4	1	28	650	600	99	99	+05	+06	5500	15.3	1	75	61	29.26
6215	C718	091676	76	CADI	DEVI	8	500	4	1	60V4	1	27	600	600	99	99	+06	+06	5500	15.3	1	78	66	29.47
6216	C647	090376	76	CHEV	CHET	4	085	1	4	10W1	2	13	750	800	99	99	+12	+10	2250	8.8	2	77	66	29.41
6217	C436	080576	76	CHEV	IMPA	8	350	2	1	10J2	2	26	700	600	99	99	+06	+06	4500	14.0	1	73	63	29.30
6218	C615	083076	76	CHEV	MONT	8	305	2	1	10G2	1	22	600	600	99	99	+06	+08	4000	13.2	1	75	60	29.51
6219	C435	080576	76	CHEV	IMPA	8	350	2	1	10J2	1	26	500	600	99	99	+17	+06	4500	12.7	2	77	66	29.25
6220	C408	080276	76	CHEV	NOVA	6	250	1	1	10F1	2	21	600	550	99	99	+10	+10	3500	11.2	2	75	58	29.68
6221	C621	083176	76	CHEV	IMPA	8	350	2	1	10J2	1	26	550	600	99	99	+06	+06	4500	14.0	1	74	61	29.42
6222	C407	080276	76	CHEV	VETT	8	350	4	1	10K4J	1	17	600	600	99	99	+08	+08	3500	12.3	1	77	61	29.65
6223	C898	101276	76	CHEV	STAW	8	400	4	1	10K4J	1	22	650	600	99	99	+08	+08	5000	14.7	1	73	58	29.33
6224	C611	083076	76	CHEV	MONT	8	350	2	1	10J2	1	26	700	600	99	99	+04	+06	4000	13.2	1	72	59	29.69
6225	C631	090176	76	CHEV	CAPR	8	400	4	1	10K4J	1	26	600	600	99	99	+08	+08	4500	14.0	1	75	63	29.42
6226	C870	100876	76	CHEV	CAPR	8	350	2	1	10J2	1	26	700	600	99	99	+06	+06	4500	14.0	1	73	57	29.53
6227	C625	083176	76	CHEV	MALI	8	350	2	1	10J2	1	22	500	600	99	99	+07	+06	4000	13.2	1	76	65	29.32
6228	C593	082776	76	CHEV	VEGA	4	140	2	5	10C2	2	16	650	700	99	99	+10	+10	2750	9.9	2	81	69	29.23
6229	C918	101476	76	CHEV	MONZ	8	262	2	1	10G2	1	19	550	600	99	99	+09	+08	3000	10.3	2	72	54	29.28

APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

CHICAGO

VKH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BARM
6230	C893	101176	76	CHEV	MONT	8	350	2	1	10J2	1	22	700	600	99	99	+07	+06	4000	13.2	1	76	58	29.45
6231	C908	101376	76	CHEV	MALI	8	350	2	1	10J2	1	26	600	600	99	99	+06	+06	4000	13.2	1	74	59	29.26
6232	C648	090376	76	CHEV	MALI	8	350	2	1	10J2	1	22	600	600	99	99	+06	+06	4000	12.0	2	76	65	29.40
6233	C623	083176	76	CHEV	MALI	8	350	2	1	10J2	1	22	600	600	99	99	+04	+06	4000	13.2	1	73	61	29.40
6234	C460	081076	76	CHEV	NOVA	8	305	2	1	10G2	1	21	525	600	99	99	+08	+08	3500	11.2	2	77	64	29.44
6235	C622	083176	76	CHEV	STAW	4	140	2	1	10C2	2	16	650	600	99	99	+12	+12	3000	10.3	2	79	61	29.41
6236	C604	082876	76	CHEV	MONT	8	350	2	1	10J2	1	22	650	600	99	99	+06	+06	4000	12.0	2	76	64	29.34
6237	C594	082776	76	CHEV	MALI	6	250	1	1	10F1	2	22	550	550	99	99	+06	+12	4000	12.0	2	79	67	29.21
6238	C600	082876	76	CHEV	VEGA	4	140	1	1	10C1D	2	16	610	550	99	99	+08	+10	2750	9.9	2	76	66	29.30
6239	C438	080676	76	CHEV	NOVA	6	250	1	1	10F1	2	21	650	550	99	99	+10	+10	3500	11.2	2	76	65	29.29
6240	C457	081076	76	CHRY	NEWP	8	400	2	1	FD40025S	1	27	700	700	99	99	+12	+12	5000	14.7	1	76	62	29.45
6241	C763	092376	76	CHRY	NEWP	8	400	2	1	FD40025S	1	27	750	700	99	99	+10	+10	5000	14.7	1	75	55	29.45
6242	C602	082876	76	DODG	CHAR	8	360	2	1	FD36025S	1	26	700	700	99	99	+08	+06	4000	13.2	1	75	65	29.31
6243	C845	100576	76	DODG	STAW	8	318	2	1	FD31825S	1	18	900	750	99	99	+01	+02	4000	13.2	1	75	66	29.16
6244	C601	082876	76	DODG	DART	6	225	1	3	FD22515S	2	16	800	750	99	99	+05	+06	3500	11.2	2	76	65	29.31
6245	C614	083076	76	DODG	MONA	8	360	2	1	FD36025S	1	27	670	700	99	99	+06	+06	4500	14.0	1	75	59	29.52
6246	C642	090276	76	DODG	CORO	8	318	2	1	FD31825S	1	26	620	750	99	99	000	+02	4000	12.0	2	76	63	29.46
6247	C650	090776	76	DODG	ASPE	6	225	1	1	FD22515S	1	18	690	750	99	99	+02	+02	3500	11.2	2	74	58	29.48
6248	C514	081876	76	FORD	STAW	8	400	2	1	351M400	1	21	550	650	99	99	+08	+08	5000	14.7	1	75	64	29.54
6249	C500	082676	76	FORD	ELIT	8	351	2	1	351M400	1	26	550	650	99	99	+12	+12	4500	14.0	1	74	70	29.47
6250	C567	082476	76	FORD	GRAN	6	200	1	3	200A1CEF	2	19	850	800	99	99	+14	+10	3500	12.3	1	79	70	29.48
6251	C876	100876	76	FORD	LTD	8	351	2	1	351M400	1	24	600	650	99	99	+04	+04	4500	14.0	1	75	56	29.35
6252	C545	082176	76	FORD	STAW	4	140	2	4	2.3-1CEF	2	14	850	850	99	99	+06	+06	3000	10.3	2	76	66	29.45
6253	C433	080576	76	FORD	GRAN	6	250	1	1	250-1CEF	1	19	750	600	99	99	+12	+12	3500	11.2	2	74	65	29.18
6254	C516	081876	76	FORD	GRAN	8	302	2	1	302A1CEF	1	19	500	650	99	99	+06	+06	3500	11.2	2	74	60	29.59
6255	C559	082476	76	FORD	MUST	4	140	2	1	2.3-1CEF	2	13	775	750	99	99	+20	+20	3000	11.3	1	76	67	29.47
6256	C449	080976	76	FORD	STAW	8	351	2	1	351M400	1	21	800	650	99	99	+04	+04	4500	12.7	2	76	61	29.42
6257	C410	080276	76	FORD	MUST	6	171	2	1	2.8-2CEF	1	13	850	700	99	99	+12	+12	3000	11.3	1	73	59	29.50
6258	C530	081976	76	FORD	GRAN	6	250	1	1	250-1CEF	1	19	650	600	99	99	+12	+12	3500	12.3	1	79	64	29.55
6259	C553	082376	76	FORD	PINT	4	140	2	4	2.3-1CEF	2	13	800	850	99	99	+06	+06	2750	9.9	2	77	68	29.42
6260	C448	080976	76	FORD	STAW	8	400	2	1	351M400	1	21	650	650	99	99	+08	+08	5000	14.7	1	76	62	29.47
6261	C451	080976	76	FORD	ELIT	8	351	2	1	351M400	1	27	750	650	99	99	+15	+12	4500	14.0	1	72	59	29.50
6262	C719	091676	76	FORD	THND	8	460	4	1	400A2CMT	1	26	650	650	99	99	+10	+08	5000	13.4	2	74	65	29.48
6263	C670	091076	76	FORD	MUST	6	171	2	1	2.8-2CEF	1	13	900	700	99	99	+20	+12	3000	10.3	2	76	57	29.48
6264	C519	081876	76	FORD	STAW	8	400	2	1	351M400	1	21	550	650	99	99	+08	+08	5000	13.4	2	75	61	29.58
6265	C778	092576	76	FORD	STAW	8	351	2	1	351M400	1	21	650	650	99	99	+05	+04	4500	12.7	2	73	55	29.45
6266	C515	081876	76	FORD	GRAN	8	302	2	1	302A1CEF	1	19	590	650	99	99	+06	+06	3500	11.2	2	75	63	29.55
6267	C585	082676	76	FORD	MUST	4	140	2	1	2.3-1CEF	1	13	750	750	99	99	+18	+20	3000	10.3	2	76	65	29.35
6268	C450	080976	76	LINC	MRK4	8	460	4	1	460A2CMT	1	26	750	650	99	99	+08	+08	5500	15.3	1	74	60	29.45
6269	C486	081376	76	LINC	CONT	8	460	4	1	460A2CMT	1	24	550	650	99	99	+08	+08	5500	15.3	1	75	66	29.25
6270	C499	081676	76	MERC	COUG	8	351	2	1	351M400	1	27	600	650	99	99	+10	+12	4500	14.0	1	74	60	29.50
6271	C454	080976	76	MERC	MARQ	8	400	2	1	351M400	1	25	700	650	99	99	+18	+18	5000	14.7	1	77	64	29.42
6272	C789	092776	76	MERC	MONT	8	351	2	1	351M400	1	27	480	650	99	99	+06	+06	4500	14.0	1	74	61	29.22
6273	C476	081276	76	MERC	MARQ	8	400	2	1	351M400	1	25	600	650	99	99	+16	+18	4500	14.0	1	74	67	29.35
6274	C521	081876	76	MERC	MONA	8	302	2	1	302A1CEF	2	25	500	650	99	99	+06	+06	3500	11.2	2	77	62	29.50
6275	C643	090376	76	OLDS	DELT	8	350	4	1	30J4	1	26	610	650	99	99	+18	+20	4500	14.0	1	76	62	29.43
6276	C563	082476	76	OLDS	CUTL	8	350	4	1	30J4	1	22	600	550	99	99	+20	+20	4000	13.2	1	74	65	29.50
6277	C558	082376	76	OLDS	OMEG	8	260	2	1	30H2J	1	21	550	650	99	99	+14	+18	3500	11.2	2	74	66	29.48
6278	C414	080376	76	OLDS	CUTL	8	260	2	1	30H2J	1	22	550	650	99	99	+18	+18	4000	12.0	2	75	59	29.53
6279	C453	080976	76	OLDS	DELT	8	455	4	1	30S4	1	26	500	650	99	99	+14	+16	4500	14.0	1	80	61	29.42
6280	C440	080676	76	OLDS	CUTL	8	350	4	1	30J4	1	22	550	650	99	99	+22	+22	4000	13.2	1	73	63	29.42
6281	C456	081076	76	OLDS	CUTL	8	350	4	1	30J4	1	22	475	650	99	99	+20	+22	4000	13.2	1	75	62	29.43
6282	C564	082476	76	OLDS	CUTL	8	350	4	1	30J4	1	22	650	550	99	99	+22	+22	4000	13.2	1	79	66	29.50
6283	C467	081176	76	OLDS	NNTI	8	455	4	1	30S4	1	26	600	550	99	99	+18	+18	5000	14.7	1	75	66	29.43
6284	C412	080376	76	PLYM	STAW	8	318	2	1	FD31825S	1	18	800	750	99	99	+15	+02	4000	12.0	2	73	60	29.51
6285	C733	091876	76	PLYM	FURY	8	318	2	1	FD31825S	1	26	800	750	99	99	+02	+02	4000	13.2	1	75	64	29.45
6286	C645	090376	76	PLYM	STAW	8	360	2	1	FD36025S	1	18	850	700	99	99	+06	+06	4000	13.2	1	77	65	29.41
6287	C613	083076	76	PLYM	VALI	6	225	1	3	FD22515S	2	16	800	750	99	99	+07	+06	3500	12.3	1	79	60	29.56
6288	C832	100276	76	PLYM	STAW	8	318	2	1	FD31825S	1	18	750	750	99	99	+02	+02	4000	12.0	2	79	65	29.23
6289	C826	100176	76	PLYM	STAW	6	225	1	4	FD22515S	2	18	750	750	99	99	+05	+06	4000	12.0	2	74	61	29.20
6290	C424	080476	76	PLYM	VOLA	6	225	1	1	FD22515S	1	18	900	750	99	99	+02	+02	4000	12.0	2	73	60	29.51
6291	C676	091076	76	PONT	ASTR	4	140	2	5	10C2	2	16	910	700	99	99	+06	+10	2750	9.9	2	77	58	29.30
6292	C808	101176	76	PONT	BONN	8	400	2	1	20K2	1	26	550	650	99	99	+16	+16	5000	14.7	1	76	58	29.42
6293	C441	080776	76	PONT	GRNP	8	350	2	1	20K2	1	25	630	650	99	99	+14	+16	4500	14.0	1	72	62	29.42
6294	C927	101576	76	PONT	LEMA	8	260	2	1	30H2J	1	22	625	650	99	99	+16	+18	4000	12.0	2	74	54	29.07
6295	C914	101376	76	PONT	BONN	8	400	2	1	20K2	1	26	600	650	99	99	+16	+16	5000	14.7	1	74	53	29.28
6296	F010	102476	76	PONT	FIRE	8	350	2	1	20K2	1	22	650	650	99	99	+16	+16	4000	13.2	1	75	59	29.39
6297	C442	080776	76	PONT	GRNP	8	350	2	1	20K2	1	25	610	650	99	99	+12	+16	4500	14.0	1	73	61	29.42
6298	C466	081176	76	PONT	VENT	6	250	1	1	10F1	2	21	500	550	99	99	+12	+12	3500	11.2	2	74	67	29.41
6299	C813	093076	76	CAPR	SEDA	4	140	2	4	2.3L	2	12	725	850	99	99	+08	+10	2750	9.9	2	75	60	29.20
6300	C975	102176	76	COLT	STAW	4	098	1	1	4G3F	1	11	1100	850	99	99	+06	+05	2500	9.4	2	75	58	29.30
6301	C495	081476	76	DATS	B210	4	085	2	1	N-081	2	12	700	650	99	99	+10	+10	2250	8.8	2	74	66	29.28
6302	C802	092976	76	DATS	SEDA	4	119	2	4	N-091	2	13	850	750	99	99	+08	+12	2500	9.4	2	75	58	29.32
6303	C554	082376	76	DATS	B210	4	085	2	4	N-081	2	12	800	700	52	52	+08	+10	2250	8.8	2	77	71	29.43
6304	C790	092776	76	FIAT	SEDA	4	079	2	4	128	2	10	700	850	53	55	000	000	2750	9.9	2	71	59	29.25
6305	C754	092276	76	FIAT	SEDA	4	107	2	1	132	2	12	750	750	52	55	000	000	2750	9.9	2	75	56	29.29
6306	C805	092976	76	HOND	CIVI	4	076	2	4	76EB	2	11	850	800	99	99	+07	+07	2000	8.3	2	75	61	29.24
6307	C478	081276	76	HOND	CIVI	4	091	3	4	76ED-2	2	11	1000	850	52	52	+02	+02	2000	8.3	2	75	67	29.33
6308	C836	100376	76	MAZD	STAW	4	097	2	4	FMA	2	10	950	700	99	99	+13	+07	2750	9.9	2	76	61	29.27
6309	C852	100576	76	TOYO	CELI	4	133	2	5	20R80-1	2	13	800	850	99	99	+08	+08	3000	10.3	2	75	62	29.25

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APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

CHICAGO

VEH	NUM	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
6310	C796	092876	76	TOYO	STAW	4	097	2	5	2T-C70-1	2	15	850	850	99	99	+10	+10	2500	9.4	2	76	60	29.42
6311	C578	082576	76	TOYO	CELI	4	133	2	5	20R00-1	1	13	850	850	40	40	+08	+08	3000	10.3	2	76	69	29.39
6312	C875	091076	76	TOYO	CORO	4	097	2	4	2T-C70-1	2	11	850	850	99	99	+10	+10	2500	9.4	2	76	58	29.31
6313	C773	092476	76	VOLK	SCIR	4	097	2	4	32F	1	11	1300	925	99	99	-03	-03	2250	8.8	2	73	55	29.63
6314	C777	092476	76	VOLK	RABB	4	097	2	1	32F	2	11	1000	925	99	99	000	-03	2250	8.8	2	74	55	29.45
6315	C788	092776	76	VOLK	DASH	4	097	0	1	F-1	2	12	925	925	99	99	-03	-03	2500	9.4	2	72	61	29.20
6316	C942	101676	76	VOLV	STAW	4	130	0	1	B21FF2	1	16	1175	950	99	99	+20	+15	3500	12.3	1	74	54	29.68
5052	C350	072376	75	AMC	HORN	6	258	1	1	I	1	16	660	550	99	99	+05	+05	3000	10.3	2	77	70	29.32
5053	C255	070976	75	BUIC	REGA	8	350	2	1	40J43	1	22	700	600	99	99	+12	+12	4000	13.2	1	79	69	29.39
5054	C367	072676	75	BUIC	RIVI	8	455	4	1	40S43	1	26	650	600	99	99	+08	+12	5000	14.7	1	76	68	29.26
5055	C431	080576	75	CADI	DEVI	8	500	4	1	60V43	1	20	800	600	99	99	+06	+06	5500	15.3	1	75	65	29.18
5056	C288	071476	75	CHEV	STAW	4	140	1	4	10C11	2	16	775	700	99	99	+08	+08	2750	9.9	2	76	70	29.18
5057	C324	071876	75	CHEV	MALI	8	350	2	1	10J23	1	22	540	600	99	99	+18	+06	4000	13.2	1	74	67	29.48
5058	C351	072376	75	CHEV	IMPA	8	350	2	1	10J23	1	26	650	600	99	99	+16	+06	4500	14.0	1	77	73	29.34
5059	C286	071376	75	CHEV	STAW	8	400	4	1	10K43A	1	22	500	600	99	99	+10	+06	5500	13.9	2	75	67	29.20
5060	C315	071676	75	CHEV	NOVA	6	250	1	1	10F13	1	21	650	550	99	99	+15	+10	3500	11.2	2	75	63	29.35
5061	C269	071176	75	CHRY	CORD	8	360	2	1	FLAL2LC11	1	27	770	700	99	99	+03	+06	4500	14.0	1	76	67	29.25
5062	C130	062176	75	DODG	CHAR	8	318	2	1	FLA2-AP	1	26	750	900	99	99	-02	-02	4000	13.2	1	72	62	29.35
5063	C267	071176	75	FORD	MUST	4	140	2	4	2.3-"A"	1	13	980	850	99	99	+08	+06	3000	10.3	2	77	68	29.10
5064	C281	071376	75	FORD	LTD	8	351	2	1	351M400	1	24	625	650	99	99	+08	+08	4500	12.7	2	73	64	29.31
5065	C134	062176	75	FORD	LTD	8	400	2	1	351M400	1	24	700	700	99	99	+06	+06	4500	14.0	1	76	62	29.40
5066	C030	060576	75	FORD	GRAN	6	250	1	1	250-1CEF	1	19	625	600	99	99	+10	+12	3500	11.2	2	75	61	29.60
5067	C341	072076	75	FORD	GRAN	8	302	2	1	302-1CEF	1	19	750	650	99	99	+06	+06	4500	12.3	1	79	72	29.32
5068	C299	071576	75	MERC	COUG	8	351	2	1	351W1CET	1	27	700	650	99	99	+04	+06	4500	14.0	1	75	69	29.20
5069	C036	060776	75	OLDS	CUTL	8	350	4	1	30J43	1	22	550	550	99	99	+04	+20	4000	13.2	1	77	60	29.52
5070	C306	071676	75	OLDS	NNTY	8	455	4	1	30J43	1	26	525	550	99	99	+20	+16	5000	14.7	1	76	67	29.18
5071	C318	071776	75	PLYM	VALI	6	225	1	1	F-RO-C	2	16	700	750	99	99	+02	000	3500	12.3	1	73	64	29.37
5072	C317	071776	75	PLYM	STAW	8	400	2	1	F-R2-C	1	24	670	750	99	99	+10	+10	5000	13.4	2	73	62	29.34
5073	C340	072076	75	PONT	GRNP	8	455	4	1	20S43E	1	25	570	650	99	99	+14	+16	4500	14.0	1	75	71	29.58
5074	C294	071476	75	PONT	LEMA	8	350	2	1	20K23	1	21	560	600	99	99	+16	+16	4000	13.2	1	75	70	29.17
5075	C405	080176	75	DATS	SEDA	4	085	2	4	N-081	1	12	1100	700	50	50	+08	+10	2250	8.8	2	73	61	29.55
5076	C516	081876	75	TOYO	STAW	4	133	2	4	20R	2	15	550	850	44	52	+08	+08	3000	11.3	1	74	63	29.59
5077	C352	072376	75	TOYO	CORO	4	097	2	5	2TC	2	13	900	900	55	54	+10	+10	2500	9.4	2	76	71	29.38
5078	C375	072776	75	VOLK	SEDA	4	097	0	4	1	2	11	800	900	50	50	-05	-05	2250	8.8	2	77	65	29.23
5079	C356	072476	75	VOLK	RABB	4	090	2	4	34	1	11	1500	925	99	99	-02	-03	2000	8.3	2	73	63	29.48
5317	C263	071076	75	AMC	MATA	8	304	2	1	II	1	25	750	700	99	99	+05	+05	4000	13.2	1	75	70	29.22
5318	C301	071576	75	BUIC	SKYH	6	231	2	1	40E23	2	19	710	650	99	99	+12	+12	3000	10.3	2	76	71	29.20
5319	C371	072776	75	CADI	DEVI	8	500	4	1	60V43	1	20	700	600	99	99	+06	+06	5500	15.3	1	74	69	29.28
5320	C353	072476	75	CHEV	VEGA	4	140	1	1	10C11	2	16	850	750	99	99	+12	+10	2750	9.9	2	76	70	29.39
5321	C122	061876	75	CHEV	CAPR	8	350	2	1	10J23	1	26	600	600	99	99	+06	+06	4500	14.0	1	78	69	29.19
5322	C278	071376	75	CHEV	NOVA	8	262	2	1	10G23A	1	21	590	600	99	99	+08	+08	3500	11.2	2	73	62	29.29
5323	C137	062176	75	CHEV	MONT	8	350	2	1	10J23	1	22	650	600	99	99	+08	+06	4000	13.2	1	73	63	29.39
5324	C354	072476	75	CHEV	CAPR	8	400	4	1	10K43A	1	26	650	600	99	99	+14	+06	4500	14.0	1	75	69	29.40
5325	C293	071476	75	DODG	DART	6	225	1	1	F-RO-C	1	16	650	750	99	99	000	000	3500	11.2	2	79	70	29.12
5326	C268	071176	75	FORD	STAW	6	171	2	1	2.8-2CMF	1	18	660	700	99	99	+06	+08	3000	10.3	2	75	69	29.22
5327	C280	071376	75	FORD	LTD	8	400	2	1	351M400	1	24	600	700	99	99	+08	+08	4500	14.0	1	77	63	29.30
5328	C117	061776	75	FORD	STAW	8	351	2	1	351M400	1	21	680	650	99	99	+08	+08	4500	12.7	2	76	64	29.28
5329	C400	073176	75	LINC	CONT	8	460	4	1	460-1CET	1	24	650	650	99	99	+14	+14	5500	15.3		76	67	29.26
5330	C291	071476	75	MERC	MONG	8	351	2	1	351W1CET	1	27	550	650	99	99	+06	+06	4500	14.0	1	76	70	29.16
5331	C135	062176	75	OLDS	OMEG	8	260	2	1	30M23E	1	21	600	550	99	99	+19	+18	4000	12.0	2	76	65	29.38
5332	C302	071576	75	OLDS	DELT	8	350	4	1	30J43	1	26	700	650	99	99	+20	+20	4500	14.0	1	74	68	29.20
5333	C322	071876	75	PLYM	FRY3	8	360	2	1	F-LA2L-C	1	26	840	750	99	99	+06	+06	4000	13.2	1	77	66	29.43
5334	C285	071376	75	PONT	LEMA	8	350	2	1	20K43	1	21	700	600	99	99	+16	+16	4000	13.2	1	76	67	29.20
5335	C461	081376	75	DATS	B210	4	085	2	1	N-081	2	12	540	650	99	99	+11	+10	2250	8.8	2	75	70	29.27
5336	C406	080276	75	FIAT	SEDA	4	079	2	4	128	2	10	850	900	56	58	000	000	2250	8.8	2	72	61	29.60
5337	C332	071976	75	HOND	CIVI	4	091	3	4	ED-1	2	11	1000	850	99	99	000	000	2000	8.3	2	79	70	29.45
5338	C985	102276	75	MAZD	RX4	2	080	4	4	RHP-L	1	17	1400	850	56	58	+15	+15	3000	10.3	2	75	52	29.48
4080	C159	062476	74	AMC	STAW	8	304	2	1	II	1	21	500	700	32	31	+05	+05	4500	14.0	1	74	67	29.19
4081	C010	060276	74	BUIC	ELEC	8	455	4	1	4024	1	26	525	650	28	30	+04	+04	5000	14.7	1	75	57	29.40
4082	C006	060276	74	CADI	DEVI	8	472	4	1	501	1	28	640	600	99	99	+12	+10	5000	14.7	1	72	58	29.40
4083	C304	071576	74	CHEV	VEGA	4	140	1	1	101-1	1	16	780	550	30	32	+16	+12	2750	9.9	2	76	70	29.15
4084	C016	060376	74	CHEV	MALI	8	350	2	1	104-2A	1	22	550	600	31	30	+08	+08	4000	13.2	1	77	58	29.50
4085	C230	070276	74	CHEV	NOVA	6	250	1	1	102	1	21	600	600	30	33	+08	+08	3500	11.2	2	75	62	29.39
4086	C005	060276	74	CHEV	NOVA	8	350	2	1	104-2A	1	21	610	500	31	30	+14	+08	3500	11.2	2	75	60	29.37
4087	C225	070176	74	CHEV	IMPA	8	350	2	1	104-2A	1	26	600	600	30	30	+10	+08	4500	14.0	1	73	63	29.35
4088	C099	061576	74	CHEV	STAW	8	400	4	1	104-4	1	22	650	600	30	30	+08	+05	5500	15.3	1	76	64	29.00
4089	C048	060876	74	CHRY	NEWP	8	400	2	1	B-2V	1	25	830	750	99	99	+08	+07	4500	14.0	1	75	62	29.40
4090	C253	070976	74	DODG	CHAR	8	318	2	1	LA-2V	1	20	750	750	99	99	000	000	4000	13.2	1	75	68	29.38
4091	C298	071576	74	FORD	PINT	4	122	2	4	2.0L	2	13	800	750	25	35	+08	+06	2750	9.9	2	74	70	29.21
4092	C035	060676	74	FORD	TORI	8	302	2	1	302	1	21	650	650	30	30	+08	+10	4000	13.2	1	76	61	29.53
4093	C028	060576	74	FORD	MAVE	6	250	1	1	250	2	15	925	600	35	35	+08	+06	3000	10.3	2	76	61	29.62
4094	C032	060576	74	FORD	STAW	8	400	2	1	400	1	21	600	625	99	99	+10	+12	5000	14.7	1	81	61	29.61
4095	C025	060476	74	FORD	LTD	8	351	2	1	351W	1	22	350	600	24	24	+06	+06	4500	14.0	1	79	62	29.58
4096	C345	072076	74	MERC	MONG	8	351	2	1	351W	1	27	610	600	23	24	+08	+06	4500	14.0	1	74	70	29.38
4097	C013	060376	74	OLDS	CUTL	8	350	4	1	301-4	1	22	615	650	99	99	+08	+12	4500	14.0	1	71	58	29.42
4098	C033	060576	74	OLDS	NNTY	8	455	4	1	302-4	1	26	675	650	99	99	+08	+08	5000	14.7	1	73	60	29.69
4099	C043	060776	74	PLYM	STAW	8	318	2	1	LA-2V	2	21	800	750	99	99	000	000	4500	14.0	1	77	63	29.38
4100	C182	062676	74	PLYM	DUST	6	225	1	3	RG	1	16	925	800	40	41	000	000	3500	11.2	2	79	67	29.40
4101	C320	071776	74	PONT	GRNV	8	455	4	1	202	1	26	700	650	30	30	+12	+12	5000	14.7	1	73	62	29.40
4102	C374	072776	74	DATS	STAW	4	119	2	4	6	2	14	750	750	54	54	+12	+12	2750	9.9	2	77	67	29.25

APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

CHICAGO

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
4103	C085	061475	74	TOYO	CORO	4	097	2	4	2TC	2	11	660	750	37	50	+10	+05	2250	8.8	2	75	60	29.17
4104	C224	070176	74	TOYO	CORO	4	120	2	4	18R-C	2	15	640	650	56	54	+08	+07	2750	10.9	1	76	62	29.33
4105	C063	060976	74	VOLK	SEDA	4	097	1	4	1	2	11	800	875	52	50	+07	+07	2250	8.8	1	76	64	29.28
4106	C118	061876	74	VOLK	SEDA	4	097	1	4	1	2	11	1000	950	40	44	+06	+07	2250	8.8	2	76	65	29.28
4339	C303	071576	74	AMC	GREM	6	258	1	1	IA	1	21	740	700	36	34	+04	+04	3000	10.3	2	76	73	29.12
4340	C007	060276	74	BUIC	CNTI	8	350	2	1	401-2	1	22	570	500	99	99	+04	+04	4000	12.0	2	75	58	29.33
4341	C003	060176	74	BUIC	ELEC	8	455	4	1	402-4	1	26	610	650	99	99	-06	+04	5000	14.7	1	72	59	29.32
4342	C038	060776	74	CHEV	MALI	8	350	2	1	104-2A	1	22	470	500	26	30	+06	+06	4000	12.0	2	77	61	29.52
4343	C059	060976	74	CHEV	MALI	8	350	2	1	104-2A	1	22	625	600	32	30	+06	+08	4000	12.0	2	75	64	29.38
4344	C014	060376	74	CHEV	IMPA	8	350	2	1	104-2A	1	26	535	600	27	30	+08	+08	4500	14.0	1	78	61	29.45
4345	C228	070276	74	CHEV	CAPR	8	400	2	1	104-2A	1	26	600	600	30	30	+08	+08	4500	14.0	1	71	63	29.34
4346	C343	072076	74	CHEV	VEGA	4	140	1	4	101-1	2	16	790	700	30	32	+10	+10	2750	9.9	2	74	71	29.28
4347	C008	060276	74	DODG	DART	6	225	1	1	RG	2	16	790	750	99	99	000	000	3500	11.2	2	75	60	29.43
4348	C091	061476	74	DODG	DART	8	318	2	1	LA-2V	1	16	730	750	32	32	+02	+02	3500	12.3	1	76	68	29.12
4349	C052	060876	74	FORD	TORI	8	351	2	1	351W	1	27	510	600	99	99	+08	+10	4000	12.0	2	79	62	29.40
4350	C066	061076	74	FORD	LTD	8	400	2	1	400	1	22	575	625	99	99	+12	+12	4500	14.0	1	76	63	29.39
4351	C060	060976	74	FORD	THND	8	460	4	1	460	1	27	700	650	99	99	+12	+14	5000	14.7	1	76	65	29.40
4352	C313	071676	74	FORD	MAVE	6	250	1	1	250	2	15	650	600	34	34	+06	+06	3000	10.3	2	76	62	29.30
4353	C146	062376	74	LINC	MRK4	8	460	4	1	460	1	27	900	650	99	99	+14	+14	5500	15.3	1	74	67	29.34
4354	C372	072776	74	MERC	COMM	8	302	2	1	302	1	15	550	650	29	29	+10	+12	3500	12.3	1	73	66	29.29
4355	C034	060676	74	OLDS	CUTL	8	350	4	1	301-4	2	22	600	650	35	30	+12	+12	4000	13.2	1	77	61	29.52
4356	C114	061776	74	PLYM	FRY1	8	360	2	1	LA-2V	1	26	800	750	99	99	+05	+05	4500	14.0	1	76	63	29.34
4357	C037	060776	74	PONT	BONN	8	400	2	1	201-2	1	26	650	650	28	30	+12	+12	4500	14.0	1	76	62	29.53
4358	C100	061676	74	PONT	VENT	8	350	2	1	201-2	1	22	700	650	26	30	+10	+12	3500	11.2	2	75	63	29.01
4359	C250	070976	74	CAPR	SEDA	4	122	2	1	2,0L	1	12	750	750	30	37	+08	+10	2500	9.4	2	75	68	29.40
4360	C240	070776	74	DATS	SEDA	4	079	2	1	5	2	11	700	650	46	49	+04	+05	2250	8.8	2	72	69	29.20
4361	C227	070276	74	MAZD	RX3	4	070	4	1	TOYO-3	2	16	750	750	50	55	-10	-10	2750	9.9	2	74	63	29.35
3107	C153	062376	73	AMC	GREM	6	232	1	3	232-258	1	21	625	700	34	34	+05	+05	3000	10.3	2	78	67	29.32
3108	C156	062376	73	BUIC	RIVI	8	455	4	1	GM-402	1	26	550	650	33	30	000	+04	5000	14.7	1	75	68	29.28
3109	C023	060476	73	BUIC	CNTI	8	350	2	1	401	1	22	500	650	29	30	+04	+04	4000	13.2	1	77	62	29.60
3110	C011	060276	73	CADI	DEVI	8	472	4	1	501	1	28	690	400	99	99	+14	+08	5500	15.3	1	73	56	29.42
3111	C297	071576	73	CHEV	VEGA	4	140	2	4	GM-101	2	11	750	700	28	31	+20	+12	2500	9.4	2	77	71	29.20
3112	C057	060976	73	CHEV	MALI	8	350	2	1	WPGM104	1	22	600	600	30	30	+08	+08	4000	13.2	1	76	64	29.34
3113	C173	062576	73	CHEV	NOVA	8	350	2	1	WP	1	21	600	600	26	30	+12	+08	3500	11.2	2	78	65	29.19
3114	C098	061576	73	CHEV	IMPA	8	350	2	1	GM-104	1	26	610	600	30	30	+08	+08	4500	14.0	1	79	64	28.97
3115	C039	060776	73	CHEV	IMPA	8	350	2	1	WPGM104	1	26	400	600	22	30	+04	+08	4500	14.0	1	81	64	29.54
3116	C024	060476	73	DODG	DART	6	225	1	1	225	1	16	730	750	99	99	000	000	3000	11.3	1	80	64	29.59
3117	C079	061276	73	FORD	PINT	4	122	2	1	2,0	2	11	630	650	32	37	+08	+09	2500	9.4	2	80	71	29.17
3118	C017	060376	73	FORD	TORI	8	351	2	1	351C	1	20	520	700	27	27	+04	+14	4500	14.0	1	78	59	29.50
3119	C195	062976	73	FORD	MUST	8	302	2	1	302	2	20	675	650	26	26	+08	+06	3500	11.2	2	76	65	29.25
3120	C167	062576	73	FORD	CUST	8	351	2	1	351-C	1	22	600	625	29	29	+02	+08	4500	14.0	1	75	66	29.10
3121	C050	060876	73	FORD	LTD	8	400	2	1	400	1	22	600	625	32	30	+10	+08	4500	14.0	1	76	64	29.42
3122	C047	060876	73	MERC	MONT	8	400	2	1	400	1	22	525	625	29	29	000	+12	4500	14.0	1	75	62	29.40
3123	C310	071676	73	OLDS	CUTL	8	350	4	1	5C	1	22	650	650	30	30	+08	+12	4000	13.2	1	74	64	29.29
3124	C040	060776	73	OLDS	CUTL	8	350	4	1	5N	1	22	575	650	24	30	+12	+12	4000	13.2	1	76	63	29.52
3125	C140	062276	73	PLYM	SATE	8	318	2	1	LA-318	1	20	710	700	99	99	+02	000	4000	13.2	1	73	64	29.38
3126	C234	070776	73	PLYM	VALI	6	225	1	1	RG	2	16	700	750	38	41	+02	000	3000	10.3	2	75	67	29.23
3127	C021	060476	73	PONT	CATA	8	400	2	1	201	1	26	680	650	30	30	+14	+12	4500	14.0	1	75	62	29.55
3128	C045	060876	73	PONT	LEMA	8	350	2	1	PAGM201	1	22	700	650	28	30	+12	+12	4000	13.2	1	75	61	29.40
3129	C202	062976	73	DATS	510	4	097	2	4	L16-97,4	1	12	850	800	34	39	000	+08	2500	9.4	2	76	67	29.19
3130	C232	070676	73	OPEL	STAW	4	116	2	4	GM-601	2	12	850	850	44	50	000	000	2500	9.4	2	76	67	29.28
3131	C266	071076	73	TOYO	CORO	4	097	2	4	2TC	2	12	730	750	53	53	+05	+05	2250	8.8	2	82	73	29.21
3132	C311	071676	73	VOLK	SEDA	4	097	1	4	1600	2	11	550	800	46	46	-03	-05	2250	8.8	2	75	64	29.30
3133	C157	062476	73	VOLK	SEDA	4	097	1	4	AK-96,66	2	11	850	850	44	44	-03	-05	2250	8.8	2	75	67	29.28
3362	C116	061776	73	BUIC	CNTI	8	350	2	1	GM-401	1	22	730	650	34	30	+04	+04	4000	13.2	1	75	64	29.28
3363	C086	061476	73	BUIC	ELEC	8	455	4	1	GM-402	1	26	675	650	33	30	+08	+04	5000	14.7	1	75	68	29.15
3364	C012	060376	73	CHEV	STAW	8	400	2	1	WMGM104	1	22	720	600	29	30	+06	+08	5000	14.7	1	71	57	29.42
3365	C179	062676	73	CHEV	VEGA	4	140	2	1	WV	1	11	500	500	30	31	+10	+12	2500	9.4	2	73	65	29.35
3366	C210	063076	73	CHEV	NOVA	6	250	1	1	WD	2	21	550	600	33	33	+08	+06	3500	11.2	2	74	65	29.25
3367	C042	060776	73	CHEV	MONT	8	350	2	1	WP	1	22	650	600	35	30	+10	+08	4000	13.2	1	79	63	29.45
3368	C152	062376	73	CHEV	MALI	8	307	2	1	WC	2	22	600	600	32	30	+06	+08	4000	13.2	1	77	67	29.34
3369	C181	062676	73	CHEV	CAPR	8	454	4	1	GM105	1	26	625	600	30	30	+10	+10	4500	14.0	1	75	65	29.41
3370	C246	070876	73	CHRY	NEWP	8	400	2	1	B	1	23	580	700	99	99	+10	+10	4500	14.0	1	77	69	29.33
3371	C289	071476	73	DODG	CORO	8	318	2	1	318LA	1	20	725	700	99	99	000	000	4000	12.0	2	75	70	29.16
3372	C054	060876	73	DODG	POLA	8	360	2	1	LA360	1	23	730	750	29	30	+06	+05	4000	13.2	1	78	63	29.34
3373	C186	062876	73	FORD	PINT	4	122	2	4	2	2	11	575	750	49	41	+03	+06	2500	9.4	2	77	70	29.40
3374	C206	063076	73	FORD	STAW	8	351	2	1	351-C	1	20	575	700	29	29	+14	+14	4500	14.0	1	73	65	29.18
3375	C061	060976	73	FORD	LTD	8	400	2	1	400	1	22	600	625	22	24	+10	+10	4500	14.0	1	78	62	29.38
3376	C106	061676	73	FORD	STAW	8	460	4	1	429-460	1	21	500	650	35	30	+06	+14	5000	14.7	1	78	63	29.13
3377	C238	070776	73	MERC	COUG	8	351	2	1	351C	1	20	650	625	30	30	+06	+06	3500	11.2	2	75	69	29.23
3378	C199	062976	73	OLDS	CUTL	8	350	4	1	GM-301	1	22	650	650	30	30	+12	+12	4000	13.2	1	75	64	29.26
3379	C176	062676	73	OLDS	NNTY	8	455	4	1	GM-302	1	26	725	650	31	30	+08	+08	5000	14.7	1	76	67	29.29
3380	C381	072876	73	PLYM	SATE	8	318	2	1	LA	1	20	700	700	99	99	000	000	3500	12.3	1	71	67	29.16
3381	C078	061276	73	PONT	FIRE	8	350	2	1	FP	1	18	630	625	32	30	+08	+10	3500	11.2	2	75	68	29.16
3382	C141	062276	73	PONT	STAW	8	455	4	1	GM-202	1	22	650	650	34	30	+10	+12	5000	14.7	1	75	65	29.40
3383	C136	062176	73	CAPR	COUP	4	122	2	4	2	2	12	750	750	40	40	+10	+06	2500	9.4	2	74	63	29.38
3384	C183	062676	73	MAZD	SEDA	2	070	4	4	3	2	16	840	900	47	55	-08	-10	2500	9.4	2	75	65	29.38
2134	C308	071676	72	AMC	GREM	6	258	1	1	232-258	1	21	625	650	30	31	+08	+03	2750	9.9	2	77	67	29.21
2135	C015	060376	72	BUIC	LESA	8	455	4	1	402	1	26	500	650	27	30	+10	+04	4500	14.0	1	76	61	29.47
2136	C088	061476	72	CADI	DEVI	8	472	4	1	472KA-GM	1	26	625	600	33	30	+10	+08	5000	14.7	1	73	67	29.15

APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

CHICAGO

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
2137	C361	072576	72	CHEV	VEGA	4	140	2	4	GM-101	2	11	750	700	40	34	+10	+08	2500	9.4	2	75	66	29.37
2138	C031	060576	72	CHEV	MONT	8	350	2	1	GM104	1	19	500	600	30	30	+08	+06	4000	13.2	1	76	62	29.60
2139	C096	061576	72	CHEV	MONT	8	350	2	1	LO-350-2BBL	1	19	575	600	31	30	+08	+06	4000	12.0	2	79	70	29.00
2140	C083	061476	72	CHEV	NOVA	8	307	2	1	GM-103	1	16	575	600	30	30	+07	+08	3500	11.2	2	77	68	29.13
2141	C026	060476	72	CHEV	IMPA	8	350	2	1	GM104	1	24	550	600	27	30	+08	+06	4500	14.0	1	77	63	29.60
2142	C108	061676	72	CHEV	CAPR	8	400	2	1	GM-104	1	24	500	600	15	30	+08	+06	4500	14.0	1	74	64	29.26
2143	C056	060976	72	DODG	CORO	8	318	2	1	LA-318	1	21	800	750	45	45	-02	000	3500	12.3	1	75	64	29.35
2144	C172	062576	72	FORD	PINT	4	122	2	4	2.0	2	11	950	750	40	40	+06	+06	2500	9.4	2	79	65	29.20
2145	C067	061076	72	FORD	TORI	8	351	2	1	351C-2V	1	23	525	575	27	27	+08	+06	4000	13.2	1	74	62	29.19
2146	C055	060876	72	FORD	MAVE	6	200	1	1	170-200	2	15	575	550	30	35	+04	+06	2500	9.4	2	75	64	29.35
2147	C180	062676	72	FORD	CUST	8	351	2	1	351W	1	22	600	600	28	28	+06	+06	4000	13.2	1	76	65	29.37
2148	C178	062676	72	FORD	STAW	8	400	2	1	400	1	21	650	625	28	28	+08	+05	4500	14.0	1	75	66	29.32
2149	C188	062876	72	MERC	MONR	8	400	2	1	400	1	22	625	625	32	30	+08	+08	4500	14.0	1	74	69	29.30
2150	C081	061376	72	OLDS	DELT	8	350	2	1	GM-301	1	25	525	650	30	30	+10	+08	4500	14.0	1	78	69	29.15
2151	C171	062576	72	PLYM	VALI	6	225	1	1	RG	1	16	630	750	40	41	+02	000	3000	10.3	2	78	65	29.20
2152	C177	062676	72	PLYM	STAW	8	360	2	1	LA	1	21	775	750	39	34	+03	+03	4500	14.0	1	77	67	29.33
2153	C201	062976	72	PONT	CATA	8	400	2	1	GM201	1	25	600	625	30	30	+08	+10	4500	14.0	1	75	67	29.27
2154	C187	062876	72	PONT	STAW	8	350	2	1	GM-201	1	23	530	625	31	30	+04	+10	4000	12.0	2	76	70	29.30
2155	C736	091876	72	DATS	1200	4	085	1	1	NISSAN-1A-12	2	10	700	600	44	52	+08	+05	2000	8.3	2	75	61	29.40
2156	C290	071476	72	TOYO	CORO	4	120	2	1	18R-C	1	13	700	650	56	54	+08	+07	2500	9.4	2	75	70	29.16
2157	C110	061776	72	VOLK	SEDA	4	097	1	4	96.66	2	11	875	875	47	47	-05	-05	2250	8.8	2	74	64	29.28
2158	C394	073076	72	VOLK	STAW	4	103	0	1	103	1	16	1000	1000	58	58	+27	+27	2750	9.9	2	75	66	29.25
2385	C097	061576	72	BUIC	SKYL	8	350	2	1	BA-350	1	19	500	650	30	30	+04	+04	3500	11.2	2	75	67	28.92
2386	C109	061776	72	BUIC	LESA	8	350	2	1	GM-401	1	26	700	650	29	30	+06	+04	4500	14.0	1	72	62	29.28
2387	C307	071676	72	CHEV	VEGA	4	140	1	1	GM-101	2	11	590	550	29	31	+06	+06	2750	9.9	2	78	69	29.18
2388	C065	061076	72	CHEV	NOVA	6	250	1	1	LA	2	16	700	700	34	33	+04	+04	3000	10.3	2	76	63	29.39
2389	C104	061676	72	CHEV	MONT	8	350	2	1	GM-104	1	19	600	600	32	30	+08	+06	4000	13.2	1	75	64	29.06
2390	C062	060976	72	CHEV	IMPA	8	350	2	1	104	1	24	525	600	31	30	+08	+06	4500	14.0	1	79	62	29.33
2391	C087	061476	72	CHEV	STAW	8	400	2	1	GM-104	2	23	625	600	32	30	+08	+06	5000	14.7	1	73	68	29.18
2392	C084	061476	72	CHRY	NEWP	8	400	2	1	B400	2	23	775	700	28	28	+08	+05	4500	14.0	1	77	68	29.18
2393	C029	060576	72	DODG	DART	6	225	1	1	RG	2	16	670	750	42	42	000	+02	3000	10.3	2	77	60	29.65
2394	C194	062876	72	FORD	STAW	4	122	2	1	2	2	11	750	650	37	37	+15	+06	2500	9.4	2	76	65	29.25
2395	C064	060976	72	FORD	TORI	8	302	2	1	302	2	23	625	575	28	28	+04	+06	4000	13.2	1	77	63	29.39
2396	C392	072976	72	FORD	LTD	8	400	2	1	400	1	22	650	525	30	29	+06	+08	4500	14.0	1	75	67	29.25
2397	C295	071476	72	FORD	TORI	8	351	2	1	351W	2	23	520	600	31	30	+04	+06	4000	13.2	1	78	71	29.10
2398	C071	061176	72	LINC	CONT	8	460	4	1	429-460	1	22	625	625	28	28	+10	+10	5500	15.3	1	75	69	29.03
2399	C115	061776	72	MERC	MONG	8	302	2	1	302	1	23	575	600	25	26	+08	+06	3500	12.3	1	76	63	29.30
2400	C207	063076	72	OLDS	CUTL	8	350	2	1	GM-350	1	20	650	650	30	30	+06	+08	3500	12.3	1	72	65	29.18
2401	C019	060476	72	OLDS	MNTY	8	455	4	1	SH	1	25	560	600	28	30	+06	+08	5000	14.7	1	75	61	29.50
2402	C193	062876	72	PLYM	BARR	8	318	2	1	LA	2	17	700	750	31	31	+04	000	3500	12.3	1	75	66	29.25
2403	C020	060476	72	PONT	GRNV	8	455	4	1	PK202	1	25	550	650	31	30	+06	+10	4500	14.0	1	76	63	29.51
2404	C085	100976	72	CAPR	COUP	6	159	2	4	2.6	1	12	1000	770	30	35	+10	+12	2500	9.4	2	78	57	29.22
1159	C209	063076	71	BUIC	RIVI	8	455	4	1	RH	1	26	625	600	30	30	+04	+04	4500	14.0	1	78	66	29.21
1160	C072	061176	71	BUIC	SKYL	8	350	2	1	350-BA	1	19	550	600	32	30	+10	+10	3500	11.2	2	76	69	29.03
1161	C305	071576	71	CHEV	VEGA	4	140	2	4	AK140	2	11	620	700	32	32	+08	+06	2500	9.4	2	75	69	29.15
1162	C080	061276	71	CHEV	MALI	8	350	2	1	AP	1	19	500	550	28	30	+04	+06	3500	12.3	1	76	70	29.17
1163	C326	071976	71	CHEV	MALI	6	250	1	1	AN-250	2	19	550	500	32	33	+10	+04	3500	11.2	2	74	66	29.50
1164	C120	061876	71	CHEV	IMPA	8	350	2	1	AP-350	1	24	570	550	27	30	+06	+06	4500	14.0	1	76	66	29.28
1165	C312	071676	71	CHEV	STAW	8	350	2	1	AP	1	23	600	550	31	30	+08	+06	5000	13.4	2	75	64	29.30
1166	C077	061276	71	CHRY	NEWY	8	440	4	1	440	1	23	600	750	30	30	+10	+05	5000	14.0	1	73	70	29.13
1167	C155	062376	71	DODG	CORO	8	318	2	1	318	1	21	740	700	32	32	000	000	3500	12.3	1	75	68	29.30
1168	C264	071076	71	FORD	PINT	4	122	2	4	2.0	2	11	750	750	39	39	+08	+10	2250	8.8	2	76	72	29.22
1169	C189	062876	71	FORD	STAW	8	302	2	1	F302	2	20	600	575	28	28	+06	+06	3500	12.3	1	76	70	29.29
1170	C143	062276	71	FORD	MAVE	6	200	1	1	200	2	16	600	550	30	35	+00	+06	3000	10.3	2	74	66	29.38
1171	C161	062476	71	FORD	LTD	8	351	2	1	351-C	1	23	600	625	26	26	+08	+08	4000	13.2	1	73	68	29.08
1172	C018	060376	71	FORD	LTD	8	400	2	1	MA	1	23	590	625	30	29	000	+06	4000	13.2	1	75	60	29.50
1173	C327	071976	71	MERC	MONR	8	351	2	1	351	2	23	570	625	26	29	+02	+06	4500	14.0	1	76	66	29.30
1174	C342	072076	71	OLDS	STAW	8	455	2	1	OP455	1	23	700	600	30	30	+08	+08	5500	15.3	1	77	72	29.25
1175	C325	071976	71	PLYM	DUST	6	225	1	1	35777-19	1	16	730	730	45	45	000	000	3000	10.3	2	75	68	29.50
1176	C089	061476	71	PONT	GRNV	8	455	4	1	PL	2	25	760	650	29	30	+11	+12	4500	14.0	1	75	67	29.13
1177	C105	061676	71	PONT	LEMA	8	350	2	1	PD350	1	20	685	630	26	30	+12	+12	4000	13.2	1	76	63	29.06
1178	C331	071976	71	DATS	SEDA	4	097	2	4	.097	2	12	1000	700	50	50	-08	-10	2250	8.8	2	76	69	29.50
1179	C338	072076	71	TOYO	STAW	4	097	2	4	.097	2	11	800	800	52	52	+02	-05	2250	8.8	2	75	70	29.35
1180	C236	070776	71	VOLK	SEDA	4	097	1	4	1600	2	11	600	600	46	46	-03	-05	2250	8.8	2	75	66	29.22
1405	C270	071276	71	AMC	AMBA	8	360	2	1	360	1	20	540	650	30	31	+02	+02	4000	13.2	1	75	66	29.29
1406	C211	063076	71	BUIC	ELEC	8	455	4	1	RH	1	26	590	600	28	30	-04	+04	4500	14.0	1	76	65	29.23
1407	C160	062476	71	CADI	DEVI	8	472	4	1	EA	1	28	600	600	30	30	+08	+08	5000	14.7	1	74	68	29.12
1408	C323	071876	71	CHEV	CAMA	8	307	2	1	AO307	2	19	520	550	31	30	+08	+08	3500	11.2	2	75	66	29.45
1409	C150	062376	71	CHEV	MALI	8	307	2	1	AO-307	1	19	550	550	32	30	+08	+08	3500	11.2	2	75	67	29.38
1410	C184	062776	71	CHEV	MONT	8	350	2	1	GM-350	1	19	550	550	30	30	+08	+06	4000	13.2	1	77	69	29.40
1411	C148	062376	71	CHEV	CAPR	8	400	2	1	GM-401	1	24	560	550	30	30	+10	+08	4500	14.0	1	72	66	29.35
1412	C107	061676	71	DODG	DART	6	225	1	1	225D	1	17	560	750	47	46	000	000	3000	10.3	2	74	62	29.19
1413	C119	061876	71	FORD	MAVE	8	302	2	1	F-3022V	1	16	600	600	29	29	+10	+06	3000	10.3	2	74	65	29.28
1414	C231	070676	71	FORD	LTD	8	351	2	1	351	1	23	615	600	29	29	+08	+06	4000	13.2	1	74	65	29.28
1415	C095	061576	71	FORD	LTD	8	351	2	1	F(351)	1	22	600	600	26	29	+10	+06	4500	14.0	1	76	69	29.02
1416	C284	071376	71	MERC	MARQ	8	429	2	1	429-F	1	23	500	600	19	24	+06	+04	4500	14.0	1	76	64	29.20
1417	C244	070876	71	OLDS	CUTL	8	350	2	1	OA	1	20	550	600	30	30	+08	+07	3500	11.2	2	73	69	29.28
1418	C220	070176	71	OLDS	CUTL	8	350	4	1	350	1	20	550	600	30	30	+10	+12	3500	12.3	1	79	63	29.30
1419	C242	070876	71	PLYM	DUST	8	318	2	1	318	1	16	730	700	30	30	000	000	3000	10.3	2	75	69	29.22
1420	C384	072876	71	PLYM	FRY2	8	318	2	1	318	1	23	700	700	29	30	+05	000	4000	13.2	1	75	69	29.13

APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

CHICAGO

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	IDST	BLHP	L	DB	WB	BAROM
1421	C277	071276	71	PONT	CATA	8	350	2	1	PD	2	25	570	650	32	30	+10	+12	4500	12.7	2	76	63	29.30
1422	C248	070876	71	VOLK	SEDA	4	097	1	4	097-VW	2	11	[illegible]	[illegible]	45	46	000	000	[illegible]	8.8	2	75	66	29.35
0181	C795	092876	70	AMC	AMBA	8	360	2	1	360	1	19	650	600	20	29	+08	+05	4500	12.0	2	75	59	29.41
0182	C129	062176	70	BUIC	ELEC	8	455	4	1	455-BO	1	25	725	600	28	30	+06	+06	4500	14.0	1	73	62	29.39
0183	C344	072076	70	CHEV	MONT	8	350	2	1	350	1	20	640	600	31	31	+04	+04	4000	13.2	1	75	71	29.25
0184	C273	071276	70	CHEV	MALI	8	307	2	1	DM	1	20	600	600	30	30	+08	+08	3500	11.2	2	72	63	29.32
0185	C196	062976	70	CHEV	MALI	8	350	2	1	AQ-350	2	20	[illegible]	600	32	30	[illegible]	+04	[illegible]	11.2	2	74	63	29.35
0186	C131	062176	70	CHEV	IMPA	8	350	2	1	AQ	1	25	625	600	34	31	+04	+04	4000	13.2	1	72	63	29.35
0187	C245	070876	70	CHEV	CAPR	8	400	2	1	GM-400	1	25	550	600	30	30	+04	+04	4000	13.2	1	74	65	29.30
0188	C215	070176	70	DODG	DART	6	225	1	1	225-D	2	16	750	650	40	41	000	000	[illegible]	11.3	1	71	66	29.25
0189	C090	061476	70	FORD	MUST	8	302	2	1	F(302)	2	22	580	575	29	29	+08	+08	[illegible]	11.2	2	77	68	29.06
0190	C120	062076	70	FORD	FAIR	8	302	2	1	302-F	1	20	540	575	27	27	+06	+06	3500	12.3	1	75	63	29.39
0191	C094	061576	70	FORD	LTD	8	351	2	1	F(351)	1	24	650	600	30	29	+10	+08	4000	12.0	2	78	70	29.08
0192	C287	071476	70	FORD	LTD	8	351	2	1	351-H	1	24	650	600	26	26	+06	+06	4000	13.2	1	76	66	29.20
0193	C223	070176	70	MERC	COUG	8	351	2	1	351-F	1	22	575	575	26	26	+06	+06	3500	11.2	2	75	62	29.30
0194	C142	062276	70	OLDS	CUTL	8	350	4	1	350	1	20	675	575	35	30	+08	+10	4000	13.2	1	77	66	29.40
0195	C276	071276	70	PLYM	STAW	8	383	2	1	08	1	23	550	650	31	31	+02	+02	4500	14.0	1	75	62	29.28
0196	C797	092876	70	PLYM	DUST	6	198	1	1	198	2	18	600	600	40	41	+02	000	3000	10.3	2	74	57	29.47
0197	C851	100576	70	PONT	BONN	8	455	4	1	PB	1	26	675	650	26	30	+14	+09	4500	14.0	1	73	59	29.30
0198	C221	070176	70	DATS	510	4	097	2	1	L16	2	12	650	575	52	52	+10	+10	2250	8.8	2	78	62	29.30
0199	C437	080676	70	TOYO	SEDA	4	113	2	1	8RC	2	12	675	650	45	50	+10	000	2500	9.4	2	73	64	29.30
0200	C190	062876	70	VOLK	SEDA	4	097	1	4	VW-097	2	11	780	800	46	46	000	000	[illegible]	8.3	2	78	70	29.25
0423	C380	072876	70	BUIC	LESA	8	350	2	1	350	1	25	750	600	30	30	-02	-06	4500	14.0	1	75	69	29.19
0424	C233	070776	70	BUIC	LESA	8	350	2	1	350	1	25	540	600	23	30	+10	+06	4500	14.0	1	75	66	29.27
0425	C365	072676	70	CADI	DEVI	8	472	4	1	472	1	26	600	600	31	32	+07	+07	5000	14.7	1	78	67	29.23
0426	C308	072976	70	CHEV	NOVA	8	307	2	1	307	1	19	600	600	33	32	[illegible]	-02	3500	10.3	2	76	67	29.13
0427	C330	071976	70	CHEV	IMPA	8	350	2	1	350	1	25	600	600	30	30	+04	000	4000	13.2	1	76	70	29.53
0428	C132	062176	70	CHEV	IMPA	8	400	2	1	400	1	25	550	600	32	31	+08	+08	4000	13.2	1	71	63	29.39
0429	C650	090976	70	CHRY	NEWP	8	383	2	1	383	1	24	770	650	34	32	+04	+02	4000	13.2	1	74	68	29.43
0430	C214	063076	70	DODG	CORO	8	318	2	1	318	2	19	750	700	32	32	000	000	3500	12.3	1	73	62	29.13
0431	C082	061376	70	FORD	MAVE	6	200	1	1	N/A	1	16	550	600	34	34	+08	+06	2750	9.8	2	79	68	29.16
0432	C646	090376	70	FORD	MUST	8	351	2	1	F351	1	22	550	600	28	28	+08	+06	3000	11.3	1	74	64	29.41
0433	C027	060476	70	FORD	LTD	8	390	2	1	N/A	1	24	520	600	23	24	+10	+06	4000	13.2	1	76	62	29.62
0434	C241	070876	70	OLDS	MNTY	8	455	4	1	S4-455	1	25	830	650	30	30	+08	+10	4500	14.0	1	75	70	29.21
0435	C877	100876	70	PLYM	FRY2	8	383	4	1	383	1	25	750	650	27	28	+04	+02	4000	12.0	2	73	56	29.32
0436	C334	071976	70	PONT	BONN	8	455	4	1	455	2	26	650	650	28	28	+20	+09	4500	14.0	1	76	71	29.44
0437	C203	062976	70	VOLK	SEDA	4	097	1	4	97	1	11	975	950	43	43	000	000	2000	8.3	2	77	69	29.18
9438	C426	080476	69	AMC	RAMB	6	199	1	3	199	2	16	650	600	30	31	+08	000	3000	11.2	1	77	63	29.30
9439	C112	061776	69	BUIC	ELEC	8	430	4	1	GM-350	1	25	600	550	36	30	000	000	4500	14.0	1	75	63	29.35
9440	C101	061676	69	BUIC	STAW	8	350	2	1	350-2	2	20	620	600	30	30	-07	000	4500	14.0	1	75	64	29.00
9441	C166	062576	69	CADI	DEVI	8	472	4	1	C-472	1	26	575	550	27	30	+07	+05	5000	14.7	1	73	67	29.09
9442	C163	062476	69	CHEV	NOVA	8	307	2	1	307	1	19	600	600	29	27	-08	+02	3500	10.3	2	75	70	29.00
9443	C205	063076	69	CHEV	IMPA	8	350	4	1	CC-350	1	25	550	600	27	30	+06	+04	4000	12.0	2	72	65	29.18
9444	C185	062776	69	CHEV	MALI	8	307	2	1	CC-307	1	20	525	600	31	31	-04	+02	3500	11.2	2	75	70	29.38
9445	C139	062276	69	CHEV	IMPA	8	327	2	1	GM-327	2	25	600	600	27	30	+08	+02	4000	13.2	1	74	63	29.35
9446	C219	070176	69	CHEV	IMPA	8	327	2	1	C-327	1	25	600	600	30	30	-08	-02	4000	12.0	2	75	68	29.31
9447	C251	070976	69	CHEV	BISC	6	250	1	1	GM-250	2	25	550	550	31	28	+08	+04	4000	12.0	2	75	68	29.40
9448	C319	071776	69	CHEV	CAPR	8	350	4	1	DM	1	25	600	600	28	30	+06	+08	4000	13.2	1	74	63	29.39
9449	C102	061676	69	CHRY	STAW	8	383	2	1	C-3832V	2	23	575	600	34	34	+08	+07	4500	14.0	1	78	64	29.04
9450	C841	100476	69	DODG	CORO	8	318	2	1	318	2	21	750	650	30	30	000	000	3500	12.3	1	77	62	29.21
9451	C426	080476	69	FORD	FAIR	6	250	1	1	250	2	20	600	550	42	42	+06	+06	3000	11.2	2	77	61	29.48
9452	C391	072876	69	FORD	MUST	8	302	2	1	F302	2	20	600	550	30	30	+08	+06	3500	11.2	2	73	67	29.24
9453	C213	063076	69	FORD	TORI	8	351	2	1	351-C	2	20	575	550	28	28	+06	+06	3500	12.3	1	74	61	29.11
9454	C200	062976	69	FORD	LTD	8	390	2	1	F390	1	25	600	550	30	29	+08	+06	4000	13.2	1	76	65	29.25
9455	C158	062576	69	FORD	MUST	8	302	2	1	F-302	2	20	525	550	23	24	+02	+08	3500	11.2	2	74	67	29.21
9456	C504	081676	69	FORD	STAW	8	390	2	1	F390	1	23	525	550	26	26	000	+06	4500	14.0	1	74	60	29.59
9457	C218	070176	69	MERC	MARQ	8	429	2	1	F-429	1	24	575	550	30	30	+08	+06	4500	14.0	1	71	60	29.30
9458	C197	062976	69	OLDS	MNTI	8	455	4	1	455	1	25	550	550	31	30	+08	+06	4500	14.0	1	73	64	29.24
9459	C377	072776	69	OLDS	DELT	8	350	2	1	350	1	25	580	570	32	30	+08	+06	4000	13.2	1	77	65	29.27
9460	C162	062476	69	PLYM	STAW	8	318	2	1	318	2	19	600	600	34	34	000	000	4000	13.2	1	75	69	29.03
9461	C254	070976	69	PLYM	VALI	6	225	1	1	225	2	18	650	650	38	42	000	000	3000	10.3	2	75	68	29.40
9462	C355	072476	69	PONT	LEMA	8	350	2	1	350	1	22	600	650	30	30	+08	+09	4000	12.0	2	72	68	29.43
9463	C164	062476	69	PONT	CATA	8	400	2	1	GM-400	1	26	625	650	32	32	+09	+09	4000	13.2	1	76	71	29.05
9464	C333	071976	69	PONT	CATA	8	400	2	1	400	1	26	600	650	32	30	+09	+09	4000	12.0	2	76	72	29.47
9465	C818	093076	69	TOYO	CORO	4	116	2	1	3R-C	2	12	950	650	50	50	+03	+05	2500	9.4	2	74	59	29.19
9466	C204	062976	69	VOLK	TRAN	4	097	1	4	097	2	16	650	800	55	55	-08	000	3000	10.3	2	75	67	29.14
9467	C357	072476	69	VOLK	TRAN	4	097	1	4	1600	2	16	1600	900	52	50	000	000	2750	9.0	2	76	63	29.50
8468	C292	071476	67	AMC	STAW	6	199	1	3	199	1	16	650	600	30	31	+06	+10	3000	10.3	2	78	71	29.15
8469	C154	062376	67	AMC	STAW	6	232	1	1	232	2	16	580	525	37	36	+02	+01	3000	10.3	2	75	69	29.30
8470	C235	070776	67	AMC	REBE	8	290	2	1	290-AMC	1	22	570	600	24	29	+05	+03	3500	12.3	1	73	65	29.22
8471	C363	072676	67	BUIC	LESA	8	340	2	1	340	1	25	550	600	30	30	-05	-02	4000	12.0	2	76	65	29.34
8472	C249	070876	68	BUIC	RIVI	8	430	4	1	430-GM	1	21	500	550	32	31	-02	000	4500	12.7	2	75	66	29.39
8473	C260	070976	68	BUIC	STAW	8	350	2	4	GM-350	1	20	550	550	33	31	000	000	4500	14.0	1	76	71	29.22
8474	C127	062076	68	CADI	FLEE	8	429	4	1	429-6	1	26	560	550	33	38	+05	+05	5000	14.7	1	76	61	29.30
8475	C430	080576	67	CHEV	IMPA	8	283	2	1	283	2	24	560	600	30	30	+08	+02	4000	12.0	2	75	62	29.26
8476	C168	062576	67	CHEV	CHEL	8	283	2	1	NA	2	20	600	500	32	32	+05	+04	3500	11.2	2	73	66	29.12
8477	C393	072976	67	CHEV	BELA	8	283	2	1	283	1	24	550	500	28	30	+04	+04	4000	12.0	2	75	65	29.26
8478	C395	073076	68	CHEV	IMPA	8	307	2	1	307	2	25	500	600	30	30	+06	+02	4000	12.0	2	75	66	29.27
8479	C259	070976	67	CHEV	CAPR	8	327	4	1	GM-327	2	24	500	600	35	32	-02	+04	4000	13.2	1	79	72	29.23
8480	C420	080376	66	CHEV	IMPA	8	307	2	1	307	1	25	530	600	31	30	+06	+02	4000	13.2	1	77	62	29.54

APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

CHICAGO

VEH	NUM	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
8481	C576	082576	67	CHEV	IMPA	8	283	2	1	283	2	24	530	500	34	28	+04	+04	4000	12.0	2	77	65	29.40
8482	C169	062576	67	CHEV	MALI	8	283	2	1	NA	1	20	500	600	30	30	+04	+04	3500	11.2	2	75	66	29.15
8483	C398	073076	68	CHEV	IMPA	8	307	2	1	307	2	25	500	600	28	28	+02	+02	4000	12.0	2	75	66	29.21
8484	C217	070176	68	CHEV	IMPA	8	307	2	1	GM-307	1	25	500	600	30	30	+04	+02	4000	13.2	1	70	61	29.27
8485	C145	062276	68	CHEV	STAW	8	327	4	1	GM-327	2	24	520	600	23	28	+04	+04	4500	12.7	2	73	67	29.35
8486	C216	070176	68	CHEV	IMPA	8	327	4	1	GM-327	2	25	580	600	30	29	[illegible]	+02	4000	12.0	2	75	64	29.25
8487	[illegible]	070976	[illegible]	CHEV	[illegible]	8	283	2	1	283	1	23	720	600	34	33	+10	000	4000	13.2	1	79	72	29.23
8488	C350	072576	66	DODG	DART	6	225	1	1	225	2	18	660	550	42	42	+05	-05	3000	10.3	2	76	65	29.38
8489	C124	061876	68	DODG	CORO	8	318	2	1	318	2	19	600	600	29	29	000	-02	3500	11.2	2	76	71	29.15
8490	C191	062876	68	DODG	POLA	8	383	2	1	383	1	25	500	600	25	25	000	000	4000	13.2	1	78	70	29.24
8491	C346	072176	68	FORD	MUST	6	200	1	1	200	2	20	640	550	42	40	+05	+05	3000	10.3	2	75	74	29.30
8492	C396	073076	66	FORD	MUST	6	200	1	1	200	2	16	550	525	39	39	-02	000	2750	9.9	2	75	67	29.27
8493	C265	071076	66	FORD	STAW	8	289	2	1	289	2	20	500	500	30	30	+02	+06	4500	12.7	2	80	72	29.22
8494	C126	061876	68	FORD	LTD	8	302	2	1	302-F	2	20	550	550	30	29	+06	+06	4000	13.2	1	75	69	29.12
8495	C316	071676	67	FORD	LTD	8	390	2	1	390	1	20	480	575	27	27	+10	+10	4000	13.2	1	75	63	29.32
8496	C257	070976	66	FORD	STAW	8	390	2	1	390	1	23	500	550	99	99	+04	+06	4500	14.0	1	78	70	29.32
8497	C174	062576	66	FORD	MUST	6	200	1	1	T-200	2	16	560	550	40	40	000	000	2750	9.9	2	75	64	29.22
8498	C307	072976	67	FORD	MUST	8	289	2	1	289	2	16	650	[illegible]	25	30	+01	000	3000	10.3	2	75	69	29.15
8499	C390	072876	68	FORD	FAIR	8	289	2	1	289	2	20	650	[illegible]	30	29	-01	+06	3500	11.2	2	73	66	29.20
8500	C125	061876	68	FORD	STAW	8	390	2	1	390	1	23	600	550	27	27	+06	+06	4500	14.0	1	76	67	29.12
8501	C271	071276	66	FORD	STAW	8	428	4	1	F-428	1	20	540	600	24	24	+10	+10	4500	14.0	1	75	65	29.31
8502	C002	100976	67	LINC	CONT	8	462	4	1	462	1	25	600	575	33	31	[illegible]	+10	5500	15.3	1	74	56	29.20
8503	C175	062576	67	MERC	COUG	8	289	2	1	F-289	2	17	550	575	31	31	[illegible]	+06	3500	11.2	2	75	66	29.25
8504	C360	072576	67	OLDS	DLMR	8	330	2	1	330	1	25	550	575	29	30	+15	+07	4000	12.0	2	74	66	29.38
8505	C226	070276	68	OLDS	NNTY	8	455	4	1	455	1	25	590	555	32	30	000	+05	4500	12.7	2	72	63	29.35
8506	C222	070176	68	OLDS	CUTL	8	350	2	1	350	2	20	650	550	25	30	+05	+05	4500	12.3	1	75	62	29.30
8507	C198	062976	68	PLYM	STAW	8	318	2	1	318	2	22	800	600	30	30	+05	+05	4000	12.0	2	73	65	29.23
8508	C383	072876	68	PLYM	VIP	8	318	2	1	318	2	25	750	600	30	30	-06	-02	4000	12.0	2	74	66	29.12
8509	C138	062276	68	PLYM	STAW	8	383	2	1	41	2	22	630	600	26	28	-08	+07	4500	14.0	1	74	68	29.30
8510	C296	071576	68	PLYM	VIP	8	383	2	1	383	1	25	550	500	18	28	+06	+12	4000	13.2	1	76	69	29.20
8511	C230	070776	67	PONT	LEMA	8	326	2	1	NA	2	27	640	500	32	32	+06	+06	3500	11.2	2	75	70	29.18
8512	C274	071276	66	PONT	BONN	8	389	4	1	389	1	27	600	500	34	32	+10	+06	4500	14.0	1	73	62	29.34
8513	C243	070876	68	PONT	LEMA	8	350	2	1	350-PF	1	20	580	650	30	30	+08	+09	4000	12.0	2	76	69	29.23
8514	C397	073076	67	PONT	CATA	8	400	2	1	400	2	27	600	500	31	32	+12	+06	4500	14.0	1	76	66	29.24
8515	C382	072876	66	PONT	BONN	8	389	4	1	389	1	27	550	575	30	32	+10	+06	4500	14.0	1	75	71	29.17
8516	C212	063076	66	VOLK	TRAN	4	091	1	4	1500	2	11	1000	950	60	58	+07	+07	2750	9.9	2	76	68	29.23
8517	C170	062576	68	VOLK	TRAN	4	097	1	4	1600	2	16	800	600	46	46	000	000	3000	10.3	2	75	65	29.20

APPENDIX A

LISTING OF VEHICLES AND TEST PARAMETERS

HOUSTON

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
7001	H223	121876	76	CHEV	C10	8	350	4	1	12J4	1	19	595	600	99	99	+10	+08	4500	12.7	2	74	59	30.13
7002	H198	121576	76	CHEV	C10	8	350	2	1	12J2	1	20	595	600	99	99	+16	+06	4500	14.0	1	74	60	30.01
7003	H200	121676	76	CHEV	C10	6	250	1	3	12F1U	1	19	885	900	99	99	+08	+06	4500	12.7	2	74	61	30.09
7004	H177	121376	76	CHEV	C10	8	350	4	3	12J4B	1	20	580	600	99	99	+10	+08	4500	14.0	1	73	62	30.10
7005	H224	121876	76	DODG	D100	8	318	2	1	TD31825S	1	26	800	750	99	99	000	+02	4000	12.0	2	74	61	30.20
7006	H226	121876	76	DODG	VAN	8	360	2	1	TD36025S	1	26	600	600	99	99	+12	+08	4000	13.2	1	75	62	30.12
7007	H187	121476	76	FORD	F100	6	300	1	1	300-1CMF	2	19	530	550	99	99	+12	+12	4000	12.0	2	75	59	30.11
7008	H228	121976	76	FORD	F100	6	300	1	3	300-1CMF	2	19	700	700	99	99	+12	+12	4000	12.0	2	74	65	30.04
7009	H225	121876	76	FORD	E100	6	300	1	3	300-1CMF	2	19	500	700	99	99	+12	+12	4000	13.2	1	76	63	30.15
7010	H176	121376	76	CHEV	LUV	4	110	1	4	G180ZL-F	1	13	820	900	52	52	+06	+06	2750	9.9	2	73	62	30.10
7011	H212	121776	75	CHEV	C10	8	350	2	1	12J23	1	26	650	600	99	99	+06	+06	4000	12.0	2	73	58	30.14
7012	H203	121676	75	CHEV	C10	8	350	2	1	12J23	1	26	600	600	99	99	+06	+06	4000	12.0	2	74	60	30.15
7013	H140	121076	75	CHEV	C10	8	350	4	1	12J43A	1	19	580	600	99	99	+06	+06	4000	13.2	1	74	63	30.11
7014	H169	121276	75	DODG	VAN	8	318	2	1	T-LA2S-C	1	26	660	750	99	99	000	000	3500	11.2	2	70	62	30.05
7015	H221	121876	75	FORD	F100	6	300	1	1	300-1CMF	1	19	500	550	99	99	+12	+12	4000	12.0	2	74	59	30.12
7016	H082	120476	75	FORD	F100	8	360	2	1	360-390	1	20	600	650	99	99	+08	+06	4000	12.0	2	72	56	30.09
7017	H091	120676	75	FORD	F100	8	360	2	1	360-390	1	19	430	650	29	29	+03	+03	4000	12.0	2	76	65	29.78
6018	H130	120976	76	AMC	STAW	6	258	1	1	I	1	22	590	550	99	99	+08	+08	3500	11.2	2	71	55	30.30
6019	H194	121476	76	BUIC	REGA	8	350	2	1	40J2	1	22	600	600	99	99	+12	+12	4000	13.2	1	72	58	30.05
6020	H083	120476	76	BUIC	RIVI	8	455	4	1	40S4	1	26	600	600	99	99	+12	+12	5000	14.7	1	70	55	30.11
6021	H206	121676	76	CADI	DEVI	8	500	4	1	60V4	1	27	600	600	99	99	+06	+06	5500	15.3	1	73	60	30.20
6022	H125	120876	76	CHEV	IMPA	8	350	2	1	10J2	1	26	650	600	99	99	+06	+06	4500	14.0	1	74	58	30.33
6023	H223	121876	76	CHEV	IMPA	8	350	2	1	10J2	1	26	600	600	99	99	+06	+06	4500	14.0	1	70	58	30.13
6024	H151	121076	76	CHEV	MONZ	4	140	2	1	10C2	1	18	670	750	99	99	+12	+12	3000	11.3	1	75	66	30.01
6025	H199	121576	76	CHEV	IMPA	8	400	4	1	10K4J	1	26	560	600	99	99	+08	+08	4500	14.0	1	75	63	30.06
6026	H117	120876	76	CHEV	MONT	8	305	2	1	10G2	1	26	540	600	99	99	+10	+08	4000	13.2	1	72	57	30.21
6027	H174	121276	76	CHEV	NOVA	6	250	1	1	10F1	1	21	540	550	99	99	+10	+12	3500	11.2	2	71	61	30.09
6028	H165	121276	76	CHEV	CHET	4	085	1	4	10W1	2	13	550	800	99	99	+10	+10	2250	8.8	2	74	61	30.02
6029	H186	121476	76	DODG	STAW	8	318	2	1	FD31825S	1	18	750	750	99	99	+02	+02	4000	13.2	1	76	58	30.17
6030	H152	121176	76	DODG	ASPE	6	225	1	1	FD22515S	1	18	800	800	99	99	+04	+02	3500	11.2	2	78	68	29.98
6031	H171	121276	76	FORD	PINT	4	140	2	1	2.3-1CEF	1	13	780	750	99	99	+20	+20	2750	9.9	2	70	60	30.05
6032	H090	120576	76	FORD	LTD	8	400	2	1	351M400	1	24	600	650	99	99	+12	+12	4500	14.0	1	74	63	29.87
6033	H146	121076	76	FORD	ELIT	8	351	2	1	351W"B"	1	26	730	650	99	99	+10	+12	4500	14.0	1	74	66	30.02
6034	H180	121376	76	FORD	GRAN	6	250	1	1	250-1CEF	1	19	750	600	99	99	+12	+12	3500	12.3	1	74	61	30.18
6035	H113	120776	76	FORD	GRAN	8	302	2	1	302A1CEF	1	19	640	650	99	99	+06	+06	3500	12.3	1	72	55	30.18
6036	H104	120776	76	FORD	GRAN	8	351	2	1	351W1CEF	1	19	550	625	99	99	+08	+08	3500	12.3	1	73	59	29.98
6037	H190	121476	76	MERC	MARQ	8	400	2	1	351M400	1	24	630	650	99	99	+12	+12	4500	14.0	1	73	58	30.15
6038	H197	121576	76	MERC	MONA	6	250	1	1	250-1CEF	1	19	740	600	99	99	+12	+12	3500	12.3	1	73	60	30.05
6039	H210	121676	76	OLDS	OMEG	8	260	2	1	30H2J	1	21	720	650	99	99	+18	+18	3500	12.3	1	73	58	30.17
6040	H079	120376	76	OLDS	CUTL	8	350	4	1	30J4	1	22	500	650	99	99	+20	+20	4000	13.2	1	72	57	30.12
6041	H195	121576	76	OLDS	NNTY	8	455	4	1	30S4	1	26	600	650	99	99	+18	+18	5000	14.7	1	73	58	30.05
6042	H182	121376	76	PLYM	STAW	6	225	1	1	FD22515S	1	18	710	750	99	99	+02	+02	4000	12.0	2	76	61	30.07
6043	H211	121776	76	PLYM	STAW	8	318	2	1	FD31825S	1	18	770	750	99	99	+02	+02	4000	13.2	1	73	58	30.17
6044	H138	120976	76	PONT	LEMA	8	350	2	1	20K2	1	22	630	650	99	99	+16	+16	4000	13.2	1	74	64	30.17
6045	H220	121776	76	PONT	GRNP	8	400	2	1	20K2	1	25	620	650	99	99	+16	+16	4500	14.0	1	73	59	30.11
6046	H161	121176	76	DATS	B210	4	085	2	4	N-081	1	11	780	700	45	49	+10	+10	2250	8.8	2	75	60	30.07
6047	H207	121676	76	DATS	STAW	4	119	2	4	N-091	1	13	700	750	40	49	+12	+12	2750	10.9	1	76	59	30.12
6048	H052	112976	76	TOYO	CORO	4	097	2	4	2VC-70-1	1	13	1500	850	54	54	+10	+10	2500	9.4	2	74	59	30.35
6049	H094	120676	76	TOYO	CELI	4	133	2	1	20-R	1	15	1000	850	52	52	+08	+08	3000	11.3	1	77	65	29.73
6050	H196	121576	76	VOLK	STAW	4	097	0	1	F-1	1	12	800	850	48	48	000	000	2500	9.4	2	75	60	30.01
6051	H135	120976	76	VOLK	RABB	4	097	2	4	I	1	11	1400	925	50	50	-03	-03	2250	8.8	2	73	60	30.21
5052	H093	120676	75	AMC	STAW	6	258	1	1	I	1	16	550	550	99	99	+03	+03	3000	10.3	2	77	65	29.74
5053	H099	120676	75	BUIC	CNTY	8	350	2	1	40J23A	1	22	600	600	99	99	+10	+12	4000	13.2	1	73	63	29.79
5054	H087	120476	75	BUIC	STAW	8	455	4	1	40S43	1	22	600	600	99	99	+10	+12	5500	15.3	1	73	57	30.10
5055	H154	121176	75	CADI	DEVI	8	500	4	1	60V43	1	28	790	600	99	99	+06	+06	5500	15.3	1	74	61	30.05
5056	H106	120776	75	CHEV	VEGA	4	140	2	3	10C21	1	16	650	700	99	99	+12	+12	2750	9.9	2	72	57	30.03
5057	H080	120476	75	CHEV	MONT	8	350	2	1	10J23	1	22	470	600	99	99	+10	+06	4000	12.0	2	72	56	30.10
5058	H115	120876	75	CHEV	CAMA	8	350	2	1	10J23	1	21	580	600	99	99	+06	+06	4000	13.2	1	72	57	30.21
5059	H116	120876	75	CHEV	CAPR	8	454	4	1	10R43M	1	26	530	600	99	99	+14	+16	4500	14.0	1	74	57	30.22
5060	H105	120776	75	CHEV	NOVA	6	250	1	1	10F13	1	21	620	550	99	99	+10	+10	3500	11.2	2	75	58	29.99
5061	H114	120876	75	CHRY	CORD	8	318	2	1	F-LA2-6C	1	27	650	750	99	99	+04	+02	4500	14.0	1	73	56	30.20
5062	H092	120676	75	DODG	CHAR	8	360	2	1	F-LA-2L-C	1	26	700	750	32	32	+05	+05	4000	12.0	2	77	65	29.76
5063	H175	121376	75	FORD	PINT	4	140	2	4	2.3"A"	1	13	850	850	99	99	+06	+06	2750	9.9	2	75	62	30.09
5064	H139	121076	75	FORD	LTD	8	351	2	1	351M400	1	24	600	650	99	99	+06	+06	4500	12.7	2	78	64	30.12
5065	H110	120776	75	FORD	LTD	8	400	2	1	351M400	1	24	690	700	99	99	+10	+08	4500	14.0	1	73	57	30.09
5066	H147	121076	75	FORD	GRAN	6	250	1	1	250-1CEF	1	19	645	600	99	99	+08	+06	3500	11.2	2	73	66	30.05
5067	H163	121276	75	FORD	GRAN	8	302	2	1	302-1CEF	1	19	600	650	99	99	+08	+08	3500	11.2	2	73	62	30.02
5068	H164	121276	75	MERC	MARQ	8	400	2	1	351M400	1	25	680	700	99	99	+08	+08	5000	14.7	1	74	63	30.04
5069	H128	120976	75	OLDS	STAW	8	350	4	1	30J43	1	22	630	650	99	99	+18	+20	4500	14.0	1	75	56	30.30
5070	H202	121676	75	OLDS	NNTY	8	455	4	1	30S43	1	26	630	650	99	99	+16	+16	5000	14.7	1	74	61	30.12
5071	H127	120976	75	PLYM	VALI	6	225	1	1	F-RG-CII	1	16	700	750	99	99	000	000	3500	11.2	2	72	56	30.31
5072	H126	120976	75	PLYM	FURY	8	318	2	1	F-LA2-6C	1	26	700	750	99	99	+02	+02	4000	13.2	1	74	56	30.32
5073	H134	120976	75	PONT	CATA	8	400	2	1	20K23	1	26	680	650	99	99	+10	+16	4500	14.0	1	72	59	30.28
5074	H158	121176	75	PONT	LEMA	8	350	2	1	20K23	1	21	580	600	99	99	+14	+16	4000	12.0	2	71	61	30.05
5075	H064	120276	75	DATS	B210	4	085	2	4	N-081	2	12	1250	700	48	50	+06	+10	2250	8.8	2	73	60	30.32
5076	H049	112976	75	TOYO	STAW	4	133	2	1	20R	1	15	1030	850	43	50	+10	+08	3000	11.3	1	75	60	30.32
5077	H034	112676	75	TOYO	STAW	4	097	2	5	2TC	2	12	830	850	47	50	+05	+07	2500	9.4	2	77	68	29.64
5078	H201	121676	75	VOLK	SEDA	4	097	0	4	1	1	11	800	850	49	49	000	+05	2250	8.8	2	74	62	30.10
5079	H162	121276	75	VOLK	RABB	4	090	2	1	34	1	12	960	925	99	99	-03	-03	2000	8.3	2	73	62	30.05
4080	H022	112376	74	AMC	MATA	8	304	2	1	II	1	25	600	700	28	29	+05	+05	4000	13.2	1	73	58	30.28

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APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

HOUSTON

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
4081	H014	112276	74	BUIC	ELEC	8	455	4	1	4024	1	26	530	650	31	30	+04	+04	5000	14.7	1	74	58	30.2[illegible]
4082	H030	112476	74	CADI	DEVI	8	472	4	1	501	1	28	580	600	35	30	+10	+10	5000	14.7	1	75	63	30.2[illegible]
4083	H051	112976	74	CHEV	VEGA	4	140	1	4	101-1	1	16	890	750	24	32	+10	+10	2750	9.9	2	76	57	30.28
4084	H028	112476	74	CHEV	MALI	8	350	2	1	104-2A	1	22	700	600	31	30	+04	+08	4000	13.2	1	75	61	30.25
4085	H044	112776	74	CHEV	NOVA	6	250	1	3	102	2	21	850	850	31	33	+08	+08	3500	11.2	2	75	60	29.84
4086	H001	111976	74	CHEV	NOVA	8	350	2	1	104-2A	1	21	620	600	31	30	+08	+08	4500	12.3	1	75	66	29.88
4087	H081	120476	74	CHEV	MALI	8	350	2	1	104-2A	1	22	650	600	32	30	+08	+08	4000	13.2	1	71	56	30.09
4088	H016	112276	74	CHEV	STAW	8	400	4	1	104-4	1	22	630	600	32	30	+08	+08	5000	14.7	1	76	57	30.28
4089	H056	113076	74	CHRY	NEWP	8	400	2	1	B-2V	1	25	850	750	31	31	+07	+07	4500	14.0	1	75	57	30.43
4090	H055	113076	74	DODG	MONA	8	360	2	1	LA-2V	1	25	820	750	32	32	+05	+05	4500	14.0	1	78	57	30.45
4091	H025	112376	74	FORD	PINT	4	122	2	4	2.0L	2	13	810	750	36	36	+06	+06	2750	9.9	2	76	60	30.30
4092	H002	111976	74	FORD	MAVE	8	302	2	1	302	1	15	730	650	99	99	+10	+12	3500	12.3	1	76	65	29.84
4093	H023	112376	74	FORD	MAVE	6	250	1	1	250	1	15	600	600	34	34	+06	+06	3000	10.3	2	74	59	30.29
4094	H004	111976	74	FORD	LTD	8	400	2	1	400	1	22	525	625	99	99	+10	+12	4500	14.0	1	76	64	29.81
4095	H053	113076	74	FORD	STAW	8	351	2	1	351C	1	22	550	650	99	99	+12	+14	4500	14.0	1	74	59	30.42
4096	H050	112976	74	MERC	COUG	8	351	2	1	351CA	1	27	720	650	27	27	+14	+14	4500	14.0	1	76	60	30.30
4097	H005	111976	74	OLDS	STAW	8	350	4	1	301-4	1	22	650	650	32	30	+10	+12	4500	14.0	1	75	64	29.79
4098	H024	112376	74	OLDS	CUTL	8	350	4	1	301-4	1	22	580	650	[illegible]	30	+12	+12	4500	14.0	1	73	58	30.30
4099	H017	112276	74	PLYM	SATE	8	318	2	1	LA-2V	1	20	690	750	99	99	000	000	4000	13.2	1	74	53	30.26
4100	H141	121076	74	PLYM	DUST	8	318	2	1	LA-2V	1	16	700	750	99	99	000	000	3500	11.2	2	75	64	30.09
4101	H019	112276	74	PONT	CATA	8	400	2	1	201-2	1	26	620	650	28	30	+12	+12	4500	14.0	1	75	57	30.25
4102	H040	112776	74	DATS	610	4	119	2	1	6	1	15	770	650	45	49	+12	+12	2750	9.9	2	76	67	29.78
4103	H020	112276	74	TOYO	CORO	4	097	2	4	2TC	1	11	750	750	99	99	+05	+05	2250	8.8	2	76	57	30.24
4104	H042	112776	74	TOYO	STAW	4	120	2	1	18R-C	1	15	800	800	46	50	+07	+07	2750	10.9	1	76	61	29.84
4105	H021	112276	74	VOLK	SEDA	4	097	1	4	1	2	11	850	875	46	48	+06	+07	2250	9.7	1	73	56	30.27
4106	H008	112076	74	VOLK	SEDA	4	097	1	4	1	1	11	890	875	54	50	+07	+07	2250	8.8	2	74	64	29.80
3107	H060	120176	73	AMC	HORN	6	232	1	1	232-258A	1	16	700	600	31	31	+11	+05	3000	10.3	2	79	62	30.26
3108	H059	120176	73	BUIC	ELEC	8	455	4	1	GM-402	1	26	650	650	27	30	+04	+04	5000	14.7	1	77	62	30.22
3109	H071	120276	73	BUIC	APOL	8	350	2	1	401	1	21	600	650	28	30	+04	+04	3500	12.3	1	73	58	30.26
3110	H041	112776	73	CADI	DEVI	8	472	4	1	501	1	28	660	600	32	30	+08	+08	5000	14.7	1	78	65	29.82
3111	H075	120376	73	CHEV	VEGA	4	140	1	3	GM-101	2	11	950	800	30	31	+06	+08	2500	9.4	2	77	57	30.08
3112	H031	112476	73	CHEV	MONT	8	350	2	1	104	1	22	590	600	36	30	000	+08	4000	13.2	1	76	63	30.17
3113	H035	112676	73	CHEV	NOVA	8	350	2	1	104	1	21	600	600	29	30	+08	+08	3500	11.2	2	78	69	29.60
3114	H070	120276	73	CHEV	IMPA	8	350	2	1	104	1	26	570	600	32	30	+06	+08	4500	14.0	1	74	59	30.23
3115	H048	112976	73	CHEV	IMPA	8	350	2	1	104	1	26	580	600	33	30	+08	+08	4500	14.0	1	74	59	30.36
3116	H036	112676	73	DODG	DART	6	225	1	1	RG	2	16	670	750	44	44	000	000	3000	11.3	1	80	69	29.60
3117	H054	113076	73	FORD	PINT	4	122	2	1	2.0	1	11	630	650	[illegible]	39	+09	+09	2500	9.4	2	78	60	30.43
3118	H061	120176	73	FORD	MUST	8	351	2	1	351-C	1	20	475	625	[illegible]	29	+06	+06	3500	12.3	1	75	62	30.25
3119	H047	112976	73	FORD	MAVE	8	302	2	1	302	1	15	560	650	[illegible]	28	+06	+06	3000	10.3	2	73	58	30.38
3120	H062	120176	73	FORD	LTD	8	351	2	1	351W	1	22	460	600	29	29	+08	+10	4500	14.0	1	78	63	30.21
3121	H037	112676	73	FORD	STAW	8	400	2	1	400	1	21	475	625	32	27	+10	+12	5000	14.7	1	75	67	29.65
3122	H069	120276	73	MERC	MONT	8	351	2	1	351W	1	23	600	600	35	35	+12	+10	4000	13.2	1	74	60	30.23
3123	H038	112676	73	OLDS	CUTL	8	455	4	1	DM302	1	22	625	650	30	30	+08	+08	4000	13.2	1	76	68	29.66
3124	H027	112476	73	OLDS	CUTL	8	350	4	1	GM-301	1	22	610	650	29	30	+12	+12	4000	13.2	1	74	61	30.23
3125	H076	120376	73	PLYM	SATE	8	318	2	1	LA-	1	20	770	700	33	34	000	000	4000	13.2	1	78	57	30.08
3126	H068	120276	73	PLYM	SCAM	6	225	1	1	RG	1	16	650	750	[illegible]	46	000	000	3000	10.3	2	74	60	30.23
3127	H039	112776	73	PONT	CATA	8	400	2	1	GM201	1	26	650	650	33	30	+14	+12	4500	14.0	1	75	69	29.66
3128	H043	112776	73	PONT	LEMA	8	350	2	1	GM201	1	22	620	650	29	30	+15	+12	4000	13.2	1	73	60	29.88
3129	H045	112776	73	DATS	PICK	4	097	2	4	2L16	1	12	1300	800	45	49	+12	+08	2500	9.4	2	77	60	29.86
3130	H103	120776	73	OPEL	GT	4	066	2	4	601	1	14	810	810	49	50	000	000	2250	8.8	2	76	61	29.96
3131	H032	112476	73	TOYO	CORO	4	097	2	4	2T-C	2	12	920	750	42	50	+05	+05	2250	8.8	2	79	64	30.16
3132	H067	120276	73	VOLK	TRAN	4	103	2	4	2	1	16	750	850	52	50	-12	-10	3000	10.3	2	74	60	30.25
3133	H029	112476	73	VOLK	SEDA	4	097	1	4	1	2	11	1000	800	46	46	000	+07	2000	8.3	2	77	62	30.2[illegible]

APPENDIX A

LISTING OF VEHICLES AND TEST PARAMETERS

PHOENIX

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
6018	P367	031077	76	AMC	STAW	6	258	1	1	I	1	22	700	550	99	99	+06	+08	3500	11.2	2	70	50	28.64
6019	P130	021277	76	BUIC	CNTI	8	350	2	1	40J2	1	22	800	600	99	99	+08	+12	4000	13.2	1	76	51	29.10
6020	P080	020777	76	BUIC	ELEC	8	455	4	1	40S4	1	26	850	600	99	99	+12	+12	5000	14.7	1	76	54	28.87
6021	P255	022577	76	CADI	ELDO	8	500	4	1	60V4	1	27	750	600	99	99	+06	+06	5500	15.3	1	70	53	28.82
6022	P266	022677	76	CHEV	STAW	8	350	2	1	10J2	1	22	700	600	99	99	+06	+06	4500	14.0	1	73	52	29.06
6023	P081	020777	76	CHEV	MALI	8	350	2	1	10J2	1	22	600	600	99	99	+06	+06	4000	13.2	1	75	54	28.89
6024	P070	020677	76	CHEV	MONZ	4	140	2	1	10C2	2	19	550	600	99	99	+12	+12	3000	11.3	1	77	55	28.81
6025	P168	021777	76	CHEV	STAW	8	400	4	1	10K4J	1	22	650	600	99	99	+08	+08	5500	15.3	1	74	53	28.92
6026	P025	020277	76	CHEV	MALI	8	305	2	1	10J2	1	22	600	600	99	99	+06	+06	4000	13.2	1	74	55	28.63
6027	P146	021577	76	CHEV	NOVA	6	250	1	1	10F1	1	21	700	550	99	99	+10	+10	3500	11.2	2	74	52	28.82
6028	P181	021877	76	CHEV	CHET	4	085	1	4	10W1	2	13	700	800	99	99	+10	+10	2250	8.8	2	75	53	28.88
6029	P056	020477	76	DODG	ASPE	8	318	2	1	FD318255S	1	18	1100	850	99	99	+06	+02	3500	12.3	1	74	51	28.89
6030	P169	021777	76	DODG	ASPE	6	225	1	1	FD-225-1-5SS	1	18	800	750	99	99	+02	+02	3500	11.2	2	76	54	28.92
6031	P345	030677	76	FORD	STAW	4	140	2	1	2.3	1	14	850	750	99	99	+20	+20	3000	10.3	2	73	52	28.79
6032	P331	030777	76	FORD	LTD	8	400	2	1	351M400	1	22	650	650	99	99	+12	+12	4500	14.0	1	72	51	28.99
6033	P073	020777	76	FORD	TORI	8	351	2	1	351-W"B"	1	27	650	650	99	99	+12	+12	4500	14.0	1	72	53	28.85
6034	P117	021177	76	FORD	GRAN	6	250	1	1	250	1	19	750	600	99	99	+10	+10	3500	12.3	1	73	52	28.92
6035	P215	022177	76	FORD	GRAN	8	302	2	1	302-A	1	19	750	650	99	99	+06	+06	3500	12.3	1	78	54	28.60
6036	P204	022177	76	FORD	GRAN	8	351	2	1	351-W	1	19	650	625	99	99	+11	+11	3500	12.3	1	75	52	28.74
6037	P435	031777	76	MERC	MONG	8	400	2	1	351/M400	1	21	550	650	99	99	+16	+16	4500	14.0	1	72	53	28.66
6038	P778	043077	76	MERC	MONA	6	250	1	1	250	1	19	500	600	99	99	+12	+12	3500	12.3	1	72	51	28.71
6039	P563	040277	76	OLDS	OMEG	8	260	2	5	3042J	2	21	750	750	99	99	+16	+16	3500	12.3	1	76	54	28.64
6040	P036	020377	76	OLDS	CUTL	8	350	4	1	30J4	1	22	600	650	99	99	+22	+22	4000	13.2	1	71	51	28.86
6041	P205	022177	76	OLDS	TORO	8	455	4	1	30S4	1	26	800	650	99	99	+07	+14	5000	14.7	1	73	51	28.75
6042	P229	022377	76	PLYM	VOLA	6	225	1	1	FD225155S	1	18	750	750	99	99	+02	+02	3500	11.2	2	76	51	28.74
6043	P495	032377	76	PLYM	VOLA	8	318	2	1	FD318-2-5SS	1	20	850	750	99	99	+02	+02	4000	13.2	1	78	54	28.56
6044	P035	020377	76	PONT	LEMA	8	350	2	1	20K2	1	21	625	650	99	99	+16	+16	4000	13.2	1	71	52	28.84
6045	P486	032277	76	PONT	GRNP	8	400	4	1	2004	1	25	800	650	99	99	+16	+16	4500	14.0	1	71	52	28.69
6046	P111	021077	76	DATS	B210	4	085	2	4	N-181	1	12	600	700	99	99	+10	+10	2250	8.8	2	78	55	28.76
6047	P133	021377	76	DATS	PICK	4	119	2	1	N-101	1	12	500	650	99	99	+12	+12	2500	10.3	1	76	54	28.77
6048	P082	020777	76	TOYO	CORO	4	097	2	5	2V-C	1	13	1000	850	99	99	+10	+10	2500	9.8	2	74	55	28.90
6049	P105	021077	76	TOYO	CELI	4	133	2	1	20-R	1	13	750	850	99	99	+08	+08	3000	11.3	1	75	55	28.74
6050	P015	020177	76	VOLK	RABB	4	097	0	4	1	1	11	650	925	40	40	-03	-03	2000	8.3	2	74	52	28.77
6051	P048	020477	76	VOLK	RABB	4	097	2	4	1	1	11	1500	925	40	40	-03	-03	2000	8.3	2	73	53	28.91
6201	P707	050177	76	AMC	HORN	8	304	2	1	II	1	22	700	700	99	99	+10	+10	3500	11.2	2	75	53	28.63
6202	P387	031277	76	AMC	STAW	6	258	1	1	I	1	22	600	550	99	99	+08	+08	3500	11.2	2	74	52	28.85
6203	P777	043077	76	AMC	MATA	8	360	4	1	IV	1	25	800	700	99	99	+10	+10	4000	13.2	1	72	52	28.69
6204	P474	032177	76	AMC	PACE	6	232	1	1	I	1	22	850	550	99	99	+08	+08	3500	11.2	2	71	51	28.77
6205	P192	021977	76	BUIC	CNTY	6	231	2	1	40E2Z	1	22	750	600	99	99	+14	+12	4000	12.0	2	75	54	28.81
6206	P161	021677	76	BUIC	LESA	8	350	4	1	40J4	1	26	575	600	99	99	+10	+12	4500	14.0	1	74	52	28.99
6207	P318	030377	76	BUIC	CNTY	8	350	4	1	40J4	1	22	750	600	99	99	+12	+12	4000	13.2	1	76	51	28.72
6208	P275	022777	76	BUIC	ELEC	8	455	4	1	40S4	1	26	700	600	99	99	+12	+12	5000	14.7	1	75	50	28.97
6209	P472	032177	76	BUIC	CNTY	8	350	2	1	40J2	1	22	720	600	99	99	+12	+12	4000	13.2	1	72	52	28.76
6210	P459	031977	76	BUIC	CNTY	6	231	2	1	40E2Z	1	22	780	600	99	99	+12	+12	4000	12.0	2	71	52	28.75
6211	P364	031077	76	BUIC	SKYL	8	260	2	1	30H2J	1	26	600	650	99	99	+18	+18	4000	13.2	1	73	53	28.52
6212	P793	050177	76	CADI	SEVI	8	350	0	1	60J0	1	21	700	500	99	99	+12	+10	4500	14.0	1	77	53	28.63
6213	P424	031677	76	CADI	DEVI	8	500	4	1	60V4	1	28	650	600	99	99	+06	+06	5500	15.3	1	73	51	28.72
6214	P714	042077	76	CADI	ELDO	8	500	4	1	60V4	1	28	600	600	99	99	+06	+06	5500	15.3	1	76	52	28.62
6215	P649	041377	76	CADI	DEVI	8	500	4	1	60V4	1	28	700	600	99	99	+06	+06	5500	15.3	1	77	53	28.62
6216	P469	031977	76	CHEV	CHET	4	085	1	4	10W1	2	13	1200	800	99	99	+10	+10	2250	8.8	2	77	53	28.63
6217	P422	031577	76	CHEV	IMPA	8	350	2	1	10J2	1	20	800	600	99	99	+08	+08	4500	14.0	1	75	53	28.73
6218	P062	020577	76	CHEV	MALI	8	305	2	1	10G2	1	26	800	600	99	99	+08	+08	4000	13.2	1	77	55	28.90
6219	P496	032377	76	CHEV	MONT	8	350	2	1	101	1	22	600	600	99	99	+06	+06	4000	12.0	2	75	54	28.57
6220	P391	031277	76	CHEV	NOVA	6	250	1	1	10F1	1	21	650	550	99	99	+10	+10	3500	11.2	2	72	51	28.86
6221	P455	031877	76	CHEV	MONT	8	350	2	1	10J2	1	22	600	600	99	99	+06	+06	4000	13.2	1	74	52	28.66
6222	P316	030377	76	CHEV	CAMA	8	305	2	1	10G2	1	21	750	600	99	99	+08	+08	4000	13.2	1	73	50	28.70
6223	P500	032377	76	CHEV	CAPR	8	400	4	1	10K4J	1	26	600	600	99	99	+08	+08	4500	14.0	1	74	58	28.63
6224	P170	021777	76	CHEV	STAW	8	350	2	1	10J2	1	22	650	600	99	99	+06	+06	4500	14.0	1	72	52	28.91
6225	P230	022377	76	CHEV	IMPA	8	400	4	1	10K4J	1	26	700	600	99	99	+08	+08	4500	14.0	1	73	50	28.75
6226	P447	031877	76	CHEV	MONT	8	350	2	1	10J2	1	22	640	600	99	99	+06	+06	4000	13.2	1	70	52	28.71
6227	P216	022277	76	CHEV	MONT	8	350	2	1	10J2	1	22	750	600	99	99	+06	+06	4000	13.2	1	76	54	28.56
6228	P253	022577	76	CHEV	VEGA	4	140	2	4	10C2	1	16	1100	700	99	99	+12	+10	2750	9.8	2	77	55	28.68
6229	P263	022877	76	CHEV	MONZ	8	262	2	4	10G2	1	18	1000	800	99	99	+04	+04	3000	10.3	2	75	50	28.89
6230	P449	031677	76	CHEV	NOVA	8	350	4	1	10K4J	1	21	600	600	99	99	+08	+08	3500	12.3	1	71	52	28.70
6231	P458	031877	76	CHEV	MALI	8	350	2	1	10J2	1	26	850	600	99	99	+08	+06	4000	13.2	1	70	51	28.74
6232	P201	022077	76	CHEV	MALI	8	350	2	1	10J2	1	26	650	600	99	99	+06	+06	4000	12.0	2	76	53	28.75
6233	P239	022477	76	CHEV	MONT	8	350	2	1	10J2	1	22	700	600	99	99	+06	+06	4000	13.2	1	77	52	28.75
6234	P232	022377	76	CHEV	CAMA	8	305	2	1	10G2	1	21	600	600	99	99	+08	+08	4000	12.0	2	71	49	28.81
6235	P414	031577	76	CHEV	STAW	4	140	2	1	10C2	1	16	650	600	99	99	+08	+12	3000	10.3	2	70	49	28.65
6236	P289	030177	76	CHEV	MONT	8	350	2	1	10J2	1	22	750	600	99	99	+08	+06	4000	12.0	2	75	52	28.63
6237	P626	040977	76	CHEV	NOVA	6	250	1	1	10F1	1	21	580	550	99	99	+10	+10	3500	11.2	2	76	53	28.73
6238	P309	030377	76	CHEV	STAW	4	140	2	1	10C2	1	16	600	600	99	99	+12	+12	3000	10.3	2	74	48	28.68
6239	P514	032577	76	CHEV	NOVA	8	262	2	1	10G2	1	21	600	600	99	99	+08	+08	3500	11.2	2	76	54	28.54
6240	P510	032477	76	CHRY	CORD	8	400	2	1	FD400-2-S	1	27	750	700	99	99	+10	+10	4500	14.0	1	72	54	28.66
6241	P497	032377	76	CHRY	NEWP	8	400	4	1	FE400-4-EM	1	27	1240	700	99	99	+10	+10	5000	14.7	1	74	54	28.57
6242	P734	042277	76	DODG	ASPE	8	360	2	1	FD360255	1	18	700	700	99	99	+07	+06	3500	12.3	1	74	53	28.74
6243	P715	042077	76	DODG	CHAR	8	400	4	1	FB400-4-P	1	26	850	700	99	99	+10	+10	4000	13.2	1	76	51	28.68
6244	P408	032277	76	DODG	ASPE	6	225	1	1	FD-225-2-5SS	1	18	800	750	99	99	+02	+02	3500	11.2	2	73	54	28.68
6245	P461	031977	76	DODG	CHAR	8	360	2	1	FD-360-2-5SS	1	26	850	700	99	99	+06	+06	4000	13.2	1	73	52	28.76
6246	P788	050177	76	DODG	DART	8	318	2	1	318255S	1	16	850	750	99	99	+02	+02	3500	11.2	2	72	51	28.61

APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

PHOENIX

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
6247	P413	031577	76	DODG	DART	6	225	1	1	FD-225-1-5SS	1	14	750	750	99	99	+02	+02	3500	11.2	2	70	50	28.83
6248	P400	031477	76	FORD	LTD	8	400	2	1	351/M400	1	18	600	650	99	99	+12	+12	4500	14.0	1	72	52	28.61
6249	P148	021577	76	FORD	ELIT	8	351	2	1	351M400	1	27	700	650	99	99	+12	+12	4500	14.0	1	73	51	28.88
6250	P769	042977	76	FORD	MAVE	6	250	1	1	250-1CEF	1	19	500	650	99	99	+12	+12	3000	11.3	1	75	52	28.72
6251	P770	042977	76	FORD	STAW	8	460	4	1	460	1	21	580	550	99	99	+08	+08	5000	14.7	1	78	51	28.68
6252	P049	020477	76	FORD	STAW	4	140	2	4	2.3	1	14	1100	850	99	99	+06	+06	3000	10.3	2	72	51	28.92
6253	P252	022577	76	FORD	GRAN	6	250	1	1	250-1CEF	1	19	750	600	99	99	+12	+12	3500	11.2	2	73	55	28.69
6254	P180	021877	76	FORD	GRAN	8	302	2	1	302A1CEF	1	19	600	650	99	99	+06	+06	3500	11.2	2	74	53	28.88
6255	P408	031477	76	FORD	STAW	4	140	2	1	2.3-1CEF	1	14	800	750	99	99	+20	+20	3000	11.3	1	75	53	28.78
6256	P216	022277	76	FORD	ELIT	8	351	2	1	351M400	1	26	800	650	99	99	+10	+10	4500	12.7	2	75	53	28.56
6257	P662	041477	76	FORD	MUST	6	171	2	4	2.3-1CEF	1	13	950	850	99	99	+06	+06	3000	11.3	1	78	53	28.54
6258	P786	043077	76	FORD	GRAN	6	250	1	1	250-1CEF	1	19	700	650	99	99	+04	+04	3500	12.3	1	74	52	28.63
6259	P265	022677	76	FORD	PINT	4	140	2	4	2.3-1CEF	1	13	1100	850	99	99	+06	+06	2750	9.9	2	74	52	29.02
6260	P337	030777	76	FORD	STAW	8	400	2	1	351-400	1	21	700	650	99	99	+08	+08	5000	14.7	1	76	53	28.94
6261	P250	022477	76	FORD	TORI	8	351	2	1	351M400	1	20	550	650	99	99	+04	+04	4500	14.0	1	77	53	28.66
6262	P790	050177	76	FORD	LTD	8	400	2	1	351M400	1	24	700	650	99	99	+08	+08	4500	12.7	2	75	50	28.64
6263	P154	021577	76	FORD	MUST	6	171	2	4	2.8-2CEF	1	13	1200	700	99	99	+06	+06	3000	10.3	2	79	54	28.85
6264	P375	031177	76	FORD	LTD	8	400	2	1	351M400	1	24	500	650	99	99	+06	+06	4500	12.7	2	73	50	28.82
6265	P374	031177	76	FORD	ELIT	8	351	2	1	351M400	1	26	650	650	99	99	+10	+12	4500	12.7	2	73	50	28.80
6266	P241	022477	76	FORD	GRAN	8	302	2	1	302A1CEF	1	19	750	650	99	99	+06	+06	3500	11.2	2	74	52	28.71
6267	P475	032177	76	FORD	MUST	4	140	2	1	2.3-1CEF	1	13	800	550	99	99	+20	+20	3000	10.3	2	70	50	28.81
6268	P403	031477	76	LINC	MRK4	8	460	4	1	460A2CMT	1	26	700	650	99	99	+08	+08	5500	15.3	1	71	51	28.78
6269	P765	042977	76	LINC	MRK4	8	460	4	1	460A2CMT	1	27	600	650	99	99	+10	+10	5500	15.3	1	72	52	28.79
6270	P783	043077	76	MERC	MONA	8	302	2	1	302-1CEF	1	19	575	650	99	99	+08	+08	3500	12.3	1	77	52	28.63
6271	P762	042977	76	MERC	MARQ	8	400	2	1	351M400	1	22	700	650	99	99	+12	+12	5000	14.7	1	73	54	28.70
6272	P782	043077	76	MERC	MONA	8	302	2	1	302A1CEF	1	19	750	650	99	99	+07	+08	3500	12.3	1	76	52	28.69
6273	P768	042977	76	MERC	MONG	8	400	2	1	351M400	1	27	600	650	99	99	+12	+12	4500	14.0	1	76	52	28.74
6274	P268	022877	76	MERC	MONA	8	302	2	1	302A1CEF	1	19	850	600	99	99	+08	+08	3500	11.2	2	77	53	28.67
6275	P415	031577	76	OLDS	CUTL	8	350	4	1	30J4	1	22	575	650	99	99	+22	+22	4000	13.2	1	73	50	28.85
6276	P505	032377	76	OLDS	CUTL	8	350	4	1	30J4	1	22	600	650	99	99	+22	+22	4000	13.2	1	75	54	28.62
6277	P354	030977	76	OLDS	OMEG	8	260	2	1	30H2J	1	21	600	650	99	99	+18	+18	3500	11.2	2	76	54	28.75
6278	P264	022677	76	OLDS	CUTL	8	260	2	1	30H2J	1	22	600	650	99	99	+18	+18	4000	12.0	2	74	50	29.00
6279	P320	030477	76	OLDS	NNTY	8	455	4	1	30S4	1	26	600	650	99	99	+16	+18	5000	14.7	1	74	50	28.72
6280	P203	022177	76	OLDS	CUTL	8	350	4	1	30J4	1	22	700	650	99	99	+22	+22	4000	13.2	1	76	53	28.77
6281	P388	031277	76	OLDS	STAW	8	350	4	1	30J4	1	22	650	550	99	99	+20	+20	4500	14.0	1	74	51	28.86
6282	P191	021977	76	OLDS	CUTL	8	350	4	1	30J4	1	22	700	650	99	99	+20	+22	4000	13.2	1	75	54	28.80
6283	P426	031677	76	OLDS	NNTY	8	455	4	1	30S4	1	24	550	550	99	99	+16	+18	5000	14.7	1	73	52	28.69
6284	P147	021577	76	PLYM	STAW	8	318	2	1	FD318-2-5SS	1	18	800	750	99	99	+02	+02	4000	12.0	2	76	53	28.85
6285	P434	031777	76	PLYM	VOLA	8	318	2	1	FD318-2-5SS	1	18	800	750	99	99	+02	+02	3500	12.3	1	72	55	28.63
6286	P717	042177	76	PLYM	FURY	8	360	2	1	FD3602SS	1	26	850	700	99	99	+06	+06	4500	14.0	1	74	52	28.76
6287	P071	020677	76	PLYM	STAW	6	225	1	4	FD225-1-5SS	1	18	820	750	99	99	+06	+05	4000	13.2	1	78	55	28.83
6288	P802	050277	76	PLYM	STAW	8	318	2	1	FD318-2-5SS	1	18	800	700	99	99	+02	+02	4000	12.0	2	74	53	28.58
6289	P660	041477	76	PLYM	VOLA	6	225	1	1	FD225-1-5SS	1	18	850	750	99	99	+02	+02	3500	11.2	2	78	53	28.44
6290	P279	022677	76	PLYM	VOLA	6	225	1	1	FD225-1-5SS	1	18	950	750	99	99	+02	+02	3500	11.2	2	76	48	28.95
6291	P249	022477	76	PONT	STAW	4	140	2	4	10C2	1	16	750	700	99	99	+10	+10	2750	9.9	2	72	57	28.66
6292	P137	021477	76	PONT	CATA	8	400	2	1	20K2	1	26	550	650	99	99	+12	+16	5500	14.0	1	76	52	28.80
6293	P412	031577	76	PONT	LEMA	8	350	2	1	20K2	1	22	720	650	99	99	+16	+16	4500	14.0	1	71	50	28.81
6294	P231	022377	76	PONT	VENT	8	260	2	1	30H2J	1	20	650	650	99	99	+18	+18	3500	11.2	2	74	50	28.78
6295	P771	042977	76	PONT	BONN	8	400	4	1	20C4	1	26	545	650	99	99	+16	+16	5000	14.7	1	74	53	28.62
6296	P640	041377	76	PONT	GRNP	8	350	4	1	21K4	1	25	600	600	99	99	+16	+16	4500	14.0	1	76	52	28.64
6297	P429	031677	76	PONT	LEMA	8	350	2	1	20K2	1	22	550	650	99	99	+16	+16	4000	13.2	1	76	52	28.67
6298	P446	031877	76	PONT	VENT	6	250	1	3	10F1	1	21	830	850	99	99	+06	+06	3500	11.2	2	73	54	28.73
6299	P423	031677	76	CAPR	GHIA	4	140	2	1	2.3L	1	12	870	800	99	99	+10	+10	2750	9.9	2	75	53	28.71
6300	P509	032477	76	COLT	SEDA	4	097	2	1	4G3-F	2	13	2000	850	99	99	000	000	2500	9.4	2	74	54	28.67
6301	P074	020777	76	DATS	B210	4	085	2	1	N-081	1	12	500	650	99	99	+10	+10	2250	8.8	2	74	53	28.85
6302	P310	030377	76	DATS	STAW	4	119	2	4	N-091	1	12	750	750	99	99	+12	+12	2750	9.9	2	74	48	28.69
6303	P149	021577	76	DATS	B210	4	085	2	4	N-081	1	12	800	700	99	99	+10	+10	2250	8.8	2	73	50	28.93
6304	P206	022177	76	FIAT	X1/9	4	079	2	4	128	1	13	800	800	55	55	000	000	2250	8.8	2	72	50	28.75
6305	P343	030877	76	FIAT	124	4	107	2	5	132	1	11	800	850	55	55	000	000	2500	9.4	2	74	54	28.83
6306	P158	021677	76	HOND	CIVI	4	076	2	4	76EB	2	10	1200	800	52	52	+07	+07	2000	8.3	2	75	53	28.96
6307	P063	020577	76	HOND	CIVI	4	091	3	5	76ED-2	1	11	850	850	52	52	+02	+02	2000	8.3	2	74	53	28.60
6308	P721	042177	76	MAZD	MIZE	4	078	2	4	FTCP	1	14	900	700	99	99	+07	+07	2250	8.8	2	75	52	28.64
6309	P516	032577	76	TOYO	CELI	4	133	2	5	20R	1	13	1000	850	50	50	+08	+08	2750	9.9	2	77	54	28.50
6310	P167	021677	76	TOYO	CORO	4	097	2	1	2V-C	1	13	800	850	99	99	+10	+10	3500	9.4	2	75	54	28.92
6311	P013	020177	76	TOYO	CELI	4	133	2	5	20R	1	15	800	850	99	99	+08	+08	3000	10.3	2	71	52	28.78
6312	P093	020877	76	TOYO	STAW	4	097	2	4	2V-C	1	12	1000	850	99	99	+10	+10	2500	9.4	2	76	55	28.79
6313	P473	032177	76	VOLK	STAW	4	097	0	4	F2	1	12	925	925	99	99	-03	-03	2500	9.4	2	72	51	28.77
6314	P254	022577	76	VOLK	RABB	4	097	2	1	32-C	1	11	700	925	99	99	-03	-03	2000	8.3	2	71	53	28.71
6315	P097	020977	76	VOLK	SEDA	4	097	0	4	1	1	11	850	925	99	99	-05	-05	2000	8.3	2	71	52	28.75
6316	P776	043077	76	VOLV	264G	6	163	0	1	B27FF1	1	16	950	900	99	99	+10	+10	3500	12.3	1	72	51	28.67
6710	P664	041477	76	MERB	300D	5	183	0	1	183	1	18			99	99			4000	13.2	1	75	53	28.51
6713	P672	041577	77	MERB	300D	5	183	0	1	772L5D3.0	1	21			99	99			4000	13.2	1	74	54	28.67
6714	P681	041677	77	MERB	240D	4	147	0	1	147	1	20			99	99			3500	12.3	1	74	53	28.76
5052	P092	020877	75	AMC	STAW	6	258	1	1	I	1	16	650	550	99	99	+03	+03	3000	10.3	2	74	54	28.80
5053	P129	021277	75	BUIC	CNTY	8	350	2	1	40J23-A	1	22	675	600	99	99	000	+12	4000	13.2	1	76	52	29.12
5054	P333	030777	75	BUIC	LESA	8	350	4	1	40J43	1	26	800	600	99	99	+12	+12	4500	14.0	1	74	51	28.98
5055	P276	022877	75	CADI	DEVI	8	500	4	1	60V43	1	28	600	600	99	99	+06	+06	5500	15.3	1	76	50	28.97
5056	P290	030177	75	CHEV	VEGA	4	140	2	4	10C21	1	16	1250	700	99	99	+10	+10	2750	9.9	2	75	52	28.60
5057	P037	020377	75	CHEV	MONT	8	350	2	1	10J[illegible]	1	22	800	800	99	99	+06	+06	4000	12.0	2	71	51	28.86
5059	P028	020277	75	CHEV	IMPA	8	350	2	1	10J[illegible]	1	26	625	600	99	99	+10	+06	4500	14.0	1	76	53	28.70

APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

PHOENIX

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DR	WD	BAROM
5059	P032	020277	75	CHEV	CAPR	8	400	4	1	10K43A	1	26	650	600	99	99	+08	+06	4500	14.0	1	75	52	28.70
5060	P089	020877	75	CHEV	NOVA	6	250	1	1	10F-13	1	21	500	550	99	99	+10	+10	3500	11.2	2	77	55	28.91
5061	P099	020977	75	CHRY	NEWP	8	400	2	1	F-B2-C	1	27	700	750	99	99	+10	+10	4500	14.0	1	73	53	28.75
5062	P083	020877	75	DODG	DART	8	318	2	1	FLA2-6C	1	16	900	750	99	99	+02	+02	3500	12.3	1	72	53	28.90
5063	P532	033077	75	FORD	STAW	4	140	2	4	2.3"A"	1	14	700	850	99	99	+13	+12	3000	10.3	2	76	54	28.74
5064	P628	040977	75	FORD	STAW	8	351	2	1	351M400	1	21	700	500	99	99	+06	+06	4500	14.0	1	75	52	28.71
5065	P361	030977	75	FORD	LTD	8	400	2	1	351M400	1	22	700	700	99	99	+06	+06	4500	12.7	2	73	53	28.70
5066	P356	030977	75	FORD	GRAN	6	250	1	3	250-1CEF	1	19	600	650	99	99	+04	+04	3500	11.2	2	74	53	28.73
5067	P355	030977	75	FORD	GRAN	8	302	2	1	302-1CEF	1	19	700	650	99	99	+06	+06	3500	11.2	2	73	52	28.75
5068	P799	050277	75	MERC	MARQ	8	460	4	1	460-1CEF	1	25	600	650	99	99	+14	+14	5000	14.7	1	75	52	28.71
5069	P096	020977	75	OLDS	CUTL	8	350	4	1	30J43	1	22	600	550	99	99	+20	+20	4000	13.2	1	72	52	28.77
5070	P441	031777	75	OLDS	DELT	8	455	4	1	30-S43	1	26	500	650	99	99	+16	+16	5000	14.7	1	75	55	28.78
5071	P534	033077	75	PLYM	VALI	6	225	1	1	F-RG-C	1	16	800	750	99	99	000	000	3500	11.2	2	74	54	28.72
5072	P135	021477	75	PLYM	VALI	8	318	2	1	F-LA2-AP	1	16	900	750	99	99	+04	000	3500	12.3	1	72	51	28.76
5073	P159	021677	75	PONT	STAW	8	400	4	1	20K43	1	22	700	650	99	99	+16	+16	5500	15.3	1	73	52	28.93
5074	P349	030877	75	PONT	CATA	8	400	4	1	20K43	1	26	650	650	99	99	+16	+16	4500	14.0	1	75	53	28.81
5075	P300	030277	75	DATS	SEDA	4	085	2	4	N-081	1	12	1000	700	99	99	+10	+10	2250	8.8	2	74	50	28.60
5076	P301	030277	75	TOYO	CORO	4	133	2	1	20R	1	14	1100	850	99	99	+07	+08	3000	11.3	1	73	48	28.62
5077	P327	030477	75	TOYO	CORO	4	133	2	4	20R	1	15	850	850	99	99	+08	+08	3000	10.3	2	74	53	28.70
5078	P291	030177	75	VOLK	RABB	4	090	2	4	34	1	12	1300	925	44	44	-03	-03	2000	8.3	2	73	50	28.58
5079	P716	042177	75	VOLK	RABB	4	090	2	4	34	1	12	900	925	40	42	-03	-03	2000	8.3	2	76	51	28.72
5317	P026	020277	75	AMC	HORN	8	304	2	1	II	1	16	670	700	28	29	+05	+05	3500	12.3	1	73	54	28.63
5318	P410	031477	75	BUIC	LESA	8	350	4	1	40J43	1	26	700	600	99	99	+12	+12	4500	14.0	1	73	50	28.78
5319	P389	031277	76	CADI	SEVI	8	350	0	1	60J0	1	21	600	600	99	99	+10	+10	4500	14.0	1	72	51	28.83
5320	P067	020577	75	CHEV	STAW	4	140	2	1	10C21	1	16	500	600	99	99	+12	+12	2750	9.9	2	76	53	28.86
5321	P329	030677	75	CHEV	CAMA	8	350	4	1	10K43A	1	21	650	600	99	99	+08	+08	4000	13.2	1	74	52	29.02
5322	P308	030377	75	CHEV	NOVA	8	262	2	1	10G23A	1	21	650	600	99	99	+06	+08	3500	11.2	2	72	48	28.68
5323	P060	020577	75	CHEV	MONT	8	350	2	1	10J23	1	22	800	600	99	99	+14	+06	4000	13.2	1	73	54	28.91
5324	P075	020777	75	CHEV	MONT	8	454	4	1	10R43M	1	22	600	600	99	99	+16	+16	4000	13.2	1	72	53	28.86
5325	P533	033077	75	DODG	DART	6	225	1	1	F-RG-CII	1	16	750	750	99	99	000	000	3500	11.2	2	77	54	28.70
5326	P535	033077	75	FORD	STAW	6	171	2	1	2.8-2CMF	1	14	900	700	99	99	+08	+08	3000	11.3	1	75	54	28.70
5327	P366	031077	75	FORD	LTD	8	400	2	1	351M400	1	24	700	700	99	99	+04	+06	4500	14.0	1	75	52	28.59
5328	P104	021077	75	FORD	TORI	8	351	2	1	351M400	1	27	500	650	99	99	+06	+06	4500	14.0	1	75	55	28.71
5329	P627	040977	75	LINC	CONT	8	460	4	1	460-1CET	1	24	650	650	99	99	+14	+14	5500	15.3	1	75	53	28.72
5330	P307	030277	75	MERC	MONA	8	302	2	1	302-1CMT	1	25	500	500	99	99	+06	+06	3500	11.2	2	73	50	28.67
5331	P784	043077	75	OLDS	OMEG	8	350	2	1	40J23-A	1	21	500	600	99	99	+04	+12	4000	12.0	2	75	53	28.58
5332	P228	022277	75	OLDS	DELT	8	350	4	1	30J43	1	26	650	650	99	99	+20	+20	5000	14.7	1	72	48	28.70
5333	P763	042977	75	PLYM	GRNF	8	360	2	1	FLA2LC	1	27	1000	750	99	99	+06	+06	4500	14.0	1	75	52	28.71
5334	P342	030777	75	PONT	LEMA	6	250	1	1	10F13	1	21	700	550	99	99	+10	+10	4000	13.2	1	74	53	28.83
5335	P165	021677	75	DATS	710	4	119	2	1	N-091	1	13	900	650	99	99	+10	+12	2750	9.9	2	80	54	28.97
5336	P515	032577	75	FIAT	124	4	107	2	5	107	1	11	480	850	55	55	000	000	2750	9.9	2	75	54	28.51
5337	P263	022677	75	HOND	CIVI	4	091	3	5	ED-1	2	11	1100	850	52	52	000	000	2000	8.3	2	73	51	28.98
5338	P775	043077	75	MAZD	COUP	4	097	2	4	FNA	2	14	1100	800	50	52	+05	+05	2500	9.4	2	73	54	28.68
5715	P697	041977	75	MERB	240D	4	147	0	1	147	1	17			99	99			3500	12.3	1	77	53	28.53
4080	P021	020177	74	AMC	MATA	8	304	2	1	II	1	25	650	700	24	29	+08	+05	4000	13.2	1	74	55	28.65
4081	P132	021377	74	BUIC	ELEC	8	455	4	1	402-4	1	26	650	650	30	30	+04	+04	5000	14.7	1	76	53	28.77
4082	P023	020177	74	CADI	DEVI	8	472	4	1	501	1	28	625	600	30	30	+10	+10	5000	14.7	1	73	54	28.64
4083	P153	021577	74	CHEV	VEGA	4	140	1	1	101-1	1	16	800	750	24	32	+14	+12	2750	9.9	2	77	51	28.89
4084	P010	013177	74	CHEV	MONT	8	350	2	1	104-2A	1	22	650	600	25	30	+08	+08	4000	13.2	1	73	52	28.82
4085	P466	031977	74	CHEV	NOVA	6	250	1	3	102	1	21	500	850	30	30	+08	+08	3500	11.2	2	74	52	28.76
4086	P144	021477	74	CHEV	NOVA	8	350	2	1	104-2A	1	21	750	600	30	30	+08	+08	3500	11.2	2	77	54	28.75
4087	P531	033077	74	CHEV	IMPA	8	350	2	1	104-2A	1	26	500	600	30	30	+08	+08	4500	14.0	1	75	53	28.72
4088	P001	013077	74	CHEV	CAPR	8	400	4	1	104-4	1	26	650	600	28	30	+06	+08	4500	14.0	1	71	51	28.90
4089	P722	042177	74	CHRY	STAW	8	440	4	1	RB	1	24	850	750	99	99	+10	+10	5500	15.3	1	75	52	28.80
4090	P022	020177	74	DODG	MONA	8	360	2	1	LA2V	1	25	800	750	30	30	+06	+05	4500	14.0	1	73	54	28.63
4091	P593	040677	74	FORD	PINT	4	122	2	4	2.0L	2	13	1075	750	36	36	+06	+06	2750	9.9	2	77	54	28.81
4092	P442	031777	74	FORD	MAVE	8	302	2	1	302	1	15	600	650	20	24	+12	+12	3000	11.3	1	75	54	28.71
4093	P602	040777	74	FORD	MAVE	6	250	1	1	250	1	15	650	600	36	36	+06	+06	3000	10.3	2	75	54	28.82
4094	P344	030877	74	FORD	LTD	8	400	2	1	400	1	22	650	625	99	99	+08	+08	4500	14.0	1	74	54	28.80
4095	P011	013177	74	FORD	LTD	8	351	2	1	351W	1	22	625	600	30	30	+06	+06	4500	14.0	1	72	53	28.80
4096	P705	042077	74	MERC	COME	8	302	2	3	302	1	15	800	800	20	24	+10	+10	3000	11.3	1	77	53	28.54
4097	P443	031777	74	OLDS	CUTL	8	350	4	1	301-4	1	22	500	650	36	30	+12	+12	4000	13.2	1	74	53	28.70
4098	P084	020877	74	OLDS	MNTY	8	455	4	1	302-4	1	26	575	550	30	30	+08	+08	5000	14.7	1	75	54	28.90
4099	P521	032977	74	PLYM	SATE	8	318	2	1	LA2V	1	20	850	750	99	99	000	000	4000	13.2	1	73	54	28.65
4100	P005	013177	74	PLYM	DUST	6	225	1	1	RG	1	16	700	750	99	99	000	000	3500	11.2	2	72	50	28.85
4101	P045	020377	74	PONT	LEMA	8	350	2	1	201-2	1	22	600	650	30	30	+14	+12	4000	13.2	1	74	51	28.88
4102	P143	021477	74	DATS	STAW	4	119	2	4	L20-B	1	14	1150	750	32	32	+12	+12	2750	9.9	2	78	54	28.70
4103	P155	021577	74	TOYO	CORO	4	097	2	4	2T-C	1	11	800	700	99	99	+06	+05	2250	8.8	2	76	53	28.84
4104	P357	030977	74	TOYO	CORO	4	120	2	1	18R-C	1	15	550	650	99	99	+07	+07	2750	10.9	1	72	52	28.73
4105	P436	031777	74	VOLK	SEDA	4	097	1	4	1	2	11	900	900	48	48	+03	+07	2250	9.7	1	72	53	28.67
4106	P518	032577	74	VOLK	SEDA	4	097	1	4	1	1	11	600	850	50	50	-05	-05	2250	8.8	2	78	54	28.52
4339	P614	040877	74	AMC	HORN	6	258	1	1	I	1	17	540	600	32	32	+04	+04	3000	10.3	2	76	53	28.89
4340	P090	020877	74	BUIC	REGA	8	350	2	1	401-2	1	22	530	650	19	30	+04	+04	4000	12.0	2	76	54	28.83
4341	P724	042177	74	BUIC	CNTY	8	350	4	1	401-4A	1	22	650	650	30	30	+04	+04	4000	13.2	1	71	53	28.80
4342	P142	021477	74	CHEV	MALI	8	350	2	1	104-2A	1	22	650	650	30	30	+08	+08	4000	12.0	2	77	53	28.73
4343	P286	022877	74	CHEV	IMPA	8	350	2	1	104-2A	1	26	750	600	30	30	+08	+08	4500	12.7	2	72	51	28.70
4344	P136	021477	74	CHEV	IMPA	8	350	2	1	104-2A	1	26	650	600	30	30	+08	+08	4500	14.0	1	73	51	28.77
4345	P003	013177	74	CHEV	STAW	8	400	4	1	104-4	1	22	600	600	30	30	+10	+08	5000	14.7	1	69	52	28.94
4346	P034	020277	74	CHEV	VEGA	4	140	2	4	101-2B	1	16	750	800	30	32	+10	+10	2750	9.9	2	72	52	28.71
4347	P002	013077	74	DODG	DART	6	225	1	1	RG	1	16	785	750	99	99	-01	000	3500	11.2	2	71	53	28.94

APPENDIX A.CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

PHOENIX

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
4348	P284	022877	74	DODG	DART	8	318	2	1	LA-2V	1	16	700	750	99	99	000	000	4000	13.2	1	77	51	28.81
4349	P190	021877	74	FORD	TORI	8	351	2	1	351W	1	27	650	600	30	30	+06	+06	4000	12.0	2	76	55	28.89
4350	P382	031177	74	FORD	LTD	8	400	2	1	400	1	22	625	625	99	99	+12	+12	4500	14.0	1	73	53	28.85
4351	P726	042277	74	FORD	THND	8	460	4	1	460	1	27	700	650	99	99	+12	+14	5000	14.7	1	76	51	28.82
4352	P707	042077	74	FORD	PINT	4	140	2	1	2.3L	1	13	700	800	42	41	+07	+06	2750	9.9	2	76	52	28.65
4353	P727	042277	74	LINC	CONT	8	460	4	1	460	1	22	600	650	99	99	+14	+14	5500	15.3	1	77	51	28.82
4354	P024	020177	74	MERC	MONR	8	400	2	1	400	1	22	600	625	99	99	+02	+02	5000	14.7	1	74	55	28.63
4355	P299	030277	74	OLDS	CUTL	8	350	4	1	301-4	1	22	750	650	30	30	+12	+12	4000	13.2	1	73	49	28.59
4356	P725	042177	74	PLYM	VALI	8	318	2	1	LA2V	1	16	900	750	99	99	000	000	3500	12.3	1	74	52	28.81
4357	P004	013177	74	PONT	BONN	8	400	2	1	201	1	26	650	650	30	30	+11	+12	4500	14.0	1	71	51	28.93
4358	P202	022077	74	PONT	FIRE	8	350	2	1	201	1	22	700	650	30	30	+12	+12	4000	12.0	2	76	53	28.78
4359	P656	041377	74	CAPR	COUP	4	122	2	4	2.0L	2	12	750	750	38	38	+06	+06	2500	9.4	2	76	52	28.51
4360	P454	031877	74	DATS	SEDA	4	079	2	1	5	1	12	750	650	99	99	+05	+05	2250	8.8	2	75	53	28.69
4361	P069	020577	74	MAZD	RX2	2	070	4	4	TOYO-3	1	17	900	1000	58	58	-07	-10	2750	9.9	2	74	53	28.81
4703	P744	042777	74	MERB	240D	4	147	0	4	L-4	1	17			99	99			3500	12.3	1	75	53	28.59
4707	P609	040777	74	MERB	240D	4	147	0	4	L-4	1	17	560		99	99			3500	12.3	1	76	53	28.83
4711	P646	041277	74	PEUG	504D	4	129	0	4	504XN1	1	15			99	99			3000	11.3	1	81	54	28.65
4712	P663	041477	74	MERB	240D	4	147	0	1	L-4	1	17			99	99			3500	12.3	1	75	53	28.49
3107	P675	041577	73	AMC	GREM	6	232	1	3	232258	1	21	680	700	24	31	+12	+05	3000	10.3	2	76	53	28.45
3108	P047	020377	73	BUIC	RIVI	8	455	4	1	402	1	26	800	650	30	30	+04	+04	5000	14.7	1	72	52	28.91
3109	P351	030877	73	BUIC	CNTY	8	350	2	1	BA	1	22	850	650	99	99	+04	+04	4000	13.2	1	78	54	28.70
3110	P145	021477	73	CADI	DEVI	8	472	4	1	501	1	28	800	600	30	30	+08	+08	5000	14.7	1	77	53	28.78
3111	P598	040677	73	CHEV	VEGA	4	140	1	4	101	1	11	700	800	30	30	+10	+10	2500	9.4	2	74	54	28.80
3112	P178	021877	73	CHEV	NOVA	8	350	2	1	104	1	21	500	600	30	30	+08	+08	3500	11.2	2	75	55	28.87
3113	P009	013177	73	CHEV	NOVA	8	350	2	1	104	1	21	550	600	40	30	+06	+08	3500	11.2	2	78	54	28.88
3114	P189	021877	73	CHEV	IMPA	8	350	2	1	104	1	26	750	600	30	30	+08	+08	4500	14.0	1	76	55	28.88
3115	P176	021777	73	CHEV	IMPA	8	350	2	1	104	1	26	650	600	30	30	+08	+08	4500	14.0	1	78	55	28.85
3116	P193	021977	73	DODG	DART	6	225	1	1	RG	1	16	800	750	44	44	000	000	3000	11.3	1	74	53	28.82
3117	P522	032977	73	FORD	STAW	4	122	2	1	2.0	1	11	550	650	24	24	+09	+09	2750	9.9	2	75	53	28.65
3118	P188	021877	73	FORD	TORI	8	351	2	1	351C	1	23	700	700	28	28	+10	+10	4000	13.2	1	78	54	28.85
3119	P166	021677	73	FORD	MAVE	8	302	2	1	302	1	15	675	650	28	28	+06	+06	3000	10.3	2	77	55	28.89
3120	P540	033177	73	FORD	GALA	8	351	2	1	351-W	1	22	700	600	26	26	+10	+10	4500	14.0	1	75	53	28.74
3121	P262	022577	73	FORD	LTD	8	400	2	1	400	1	22	600	650	30	30	+12	+12	4500	14.0	1	74	52	28.96
3122	P157	021577	73	MERC	MONR	8	400	2	1	400	1	22	750	625	30	30	+06	+06	4500	14.0	1	75	53	28.93
3123	P789	050177	73	OLDS	STAW	8	455	4	1	OD	1	22	650	650	34	30	+08	+08	5500	15.3	1	76	50	28.62
3124	P353	030877	73	OLDS	CUTL	8	350	4	1	OC	1	22	600	650	32	30	+12	+12	4000	13.2	1	75	54	28.74
3125	P214	022177	73	PLYM	SATE	8	318	2	1	318	1	20	840	700	30	30	+02	+02	4000	13.2	1	77	54	28.59
3126	P156	021577	73	PLYM	DUST	6	225	1	3	RG	2	16	750	750	30	30	000	000	3000	10.3	2	77	54	28.89
3127	P187	021877	73	PONT	BONN	8	400	2	1	PE	1	26	600	650	26	30	+12	+12	4500	14.0	1	79	55	28.86
3128	P217	022277	73	PONT	CATA	8	350	2	1	201	1	26	750	650	34	30	+12	+12	4500	14.0	1	76	53	28.57
3129	P106	021077	73	DATS	PICK	4	097	2	4	NISSAN-2 L16	1	12	1000	800	99	99	+15	+08	2500	9.4	2	78	56	28.76
3130	P731	042277	73	OPEL	MANT	4	116	2	4	116	2	12	1500	900	52	50	000	000	2500	9.4	2	77	52	28.78
3131	P537	033077	73	TOYO	CARI	4	097	2	4	2T-C	1	13	600	750	50	50	+05	+05	2500	9.4	2	76	53	28.72
3132	P409	031477	73	VOLK	SEDA	4	103	0	1	EA	2	13	800	800	99	99	+25	+27	2750	9.9	2	77	53	28.78
3133	P296	030177	73	VOLK	SEDA	4	097	1	4	97	2	11	1300	900	48	48	+08	+10	2250	8.8	2	75	51	28.49
3362	P420	031577	73	BUIC	CNTY	8	350	2	1	BA	1	22	600	650	28	30	+04	+04	4000	13.2	1	75	53	28.80
3363	P294	030177	73	BUIC	ELEC	8	455	4	1	BC	1	26	650	650	24	30	-04	+04	5000	14.7	1	75	51	28.43
3364	P057	020477	73	CHEV	STAW	8	400	2	1	WM	1	22	600	600	15	30	000	+08	5000	14.7	1	75	50	28.67
3365	P696	041977	73	CHEV	STAW	4	140	2	4	140	1	11	700	700	30	31	+14	+10	2750	9.9	2	76	52	28.50
3366	P695	041977	73	CHEV	CAMA	8	350	2	1	350	2	18	600	550	30	30	+06	+06	3500	11.2	2	80	53	28.50
3367	P306	030277	73	CHEV	IMPA	8	350	2	1	104	1	26	680	600	30	30	+06	+08	4500	14.0	1	71	54	28.65
3368	P587	040577	73	CHEV	NOVA	8	307	2	1	307	1	21	650	600	28	30	+08	+08	3500	12.3	1	78	54	28.90
3369	P261	022577	73	CHEV	STAW	8	454	4	1	GM-105	1	22	550	600	30	30	+10	+10	5000	14.7	1	72	50	28.90
3370	P604	040777	73	CHRY	NEWP	8	400	2	1	B	1	23	700	700	32	32	+08	+10	4500	14.0	1	75	53	28.85
3371	P539	033177	73	DODG	CHAR	8	318	2	1	LA	1	20	850	700	99	99	000	000	4000	12.0	2	74	53	28.71
3372	P444	031777	73	DODG	POLA	8	360	2	1	LA	1	23	1000	750	30	30	+05	+05	4000	13.2	1	74	54	28.73
3373	P094	020977	73	FORD	PINT	4	122	2	4	2.0	1	13	800	750	30	30	+06	+06	2500	9.4	2	73	54	28.80
3374	P545	033177	73	FORD	TORI	8	351	4	1	351C	1	23	600	625	26	26	+06	+06	4000	13.2	1	77	54	28.63
3375	P321	030477	73	FORD	LTD	8	400	2	1	400	1	22	650	625	20	24	+10	+12	4500	14.0	1	74	52	28.72
3376	P113	021077	73	FORD	LTD	8	460	4	1	429-460	1	22	650	650	30	30	+12	+14	4500	14.0	1	73	53	28.85
3377	P471	032077	73	MERC	MONG	8	302	2	1	302	1	23	650	650	30	30	+08	+08	4000	12.0	2	75	52	28.71
3378	P315	030377	73	OLDS	CUTL	8	350	4	1	SC	1	22	775	650	99	99	+12	+12	4000	13.2	1	72	49	28.71
3379	P313	030377	73	OLDS	DELT	8	455	4	1	OD	1	26	700	650	30	30	+08	+08	4500	14.0	1	74	50	28.80
3380	P468	031977	73	PLYM	SATE	8	318	2	1	LA	1	20	800	700	99	99	000	000	4000	13.2	1	76	52	28.65
3381	P586	040577	73	PONT	LEMA	8	350	2	1	350	1	22	600	650	30	30	+12	+12	4000	12.0	2	79	54	28.90
3382	P693	041877	73	PONT	BONN	8	400	2	1	400	1	26	650	650	29	30	+03	+12	4500	14.0	1	74	53	28.48
3383	P314	030377	73	CAPR	COUP	4	122	2	4	122	1	12	1150	770	99	99	+06	+06	2500	9.4	2	73	50	28.79
3384	P480	032177	73	MAZD	STAW	2	070	4	1	TOYO-3	1	14	900	750	20	18	-10	-10	2500	9.4	2	73	51	28.82
3708	P729	042277	73	MERB	220D	4	141	0	1	141	1	17			99	99			3500	12.3	1	75	53	28.67
2134	P237	022377	72	AMC	GREM	6	258	1	1	232-258	1	21	480	550	34	34	+03	+03	2750	9.9	2	76	51	28.75
2135	P352	030877	72	BUIC	RIVI	8	455	4	1	402	1	26	840	650	30	30	+04	+04	5000	14.7	1	74	54	28.70
2136	P551	040177	72	CADI	DEVI	8	472	4	1	KA	1	28	550	600	32	30	+08	+08	5000	14.7	1	75	53	28.71
2137	P494	032277	72	CHEV	STAW	4	140	2	4	XK	2	11	1200	550	31	31	+10	+08	2750	9.9	2	82	54	28.51
2138	P330	030677	72	CHEV	MALI	8	350	2	1	104	1	19	700	600	30	30	+04	+06	3500	11.2	2	73	52	29.01
2139	P338	030777	72	CHEV	MONT	8	350	2	1	LC	2	19	500	600	26	30	+08	+06	4000	13.2	1	78	54	28.83
2140	P430	031677	72	CHEV	NOVA	8	307	2	1	LC	1	16	600	600	24	30	+09	+08	3500	11.2	2	77	53	28.61
2141	P536	033077	72	CHEV	IMPA	8	350	2	1	104	1	24	600	600	28	30	+06	+06	4500	14.0	1	72	53	28.73
2142	P350	030877	72	CHEV	IMPA	8	400	2	1	LQ	1	24	650	600	26	30	+10	+06	4500	14.0	1	75	52	28.75
2143	P592	040677	72	DODG	DART	8	318	2	1	FD318	1	16	800	750	99	99	000	000	3000	11.3	1	75	53	28.80
2144	P579	040477	72	FORD	PINT	4	122	2	4	2.0	1	11	650	750	26	26	+06	+06	2250	8.8	2	75	53	28.87

APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

PHOENIX

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
2145	P542	033177	72	FORD	STAW	8	351	2	1	351W	1	21	700	600	24	26	+06	+06	4000	13.2	1	73	53	28.75
2146	P513	032577	72	FORD	MAVE	6	200	1	1	170-200	1	15	900	550	38	38	+06	+06	2750	9.9	2	75	54	28.53
2147	P339	030777	72	FORD	LTD	8	351	2	1	351	1	22	520	575	28	28	+06	+06	4500	14.0	1	78	55	28.80
2148	P489	032277	72	FORD	LTD	8	400	2	1	400	1	22	700	625	30	30	+08	+08	4500	14.0	1	74	54	28.69
2149	P685	041877	72	MERC	MONR	8	400	2	1	400	1	22	600	625	34	30	+08	+08	4500	14.0	1	76	53	28.56
2150	P362	030977	72	OLDS	CUTL	8	350	2	1	301	1	20	500	650	30	30	+08	+08	3500	12.3	1	76	54	28.49
2151	P741	042777	72	PLYM	DUST	6	225	1	1	BG	1	16	800	700	42	42	+02	+02	3000	10.3	2	73	53	28.53
2152	P326	030477	72	PLYM	FRY3	8	360	2	1	LA	1	23	1450	750	99	99	000	000	4000	13.2	1	73	53	28.71
2153	P667	041477	72	PONT	FIRE	8	400	4	1	202	1	18	780	500	30	30	+10	+10	3500	12.3	1	75	53	28.50
2154	P238	022377	72	PONT	LEMA	8	350	2	1	GM201	1	20	650	600	30	30	+10	+10	3500	11.2	2	75	51	28.76
2155	P456	031877	72	DATS	STAW	4	097	2	4	L-16	1	12	1100	700	36	36	+07	+07	2500	9.4	2	75	52	28.70
2156	P483	032177	72	TOYO	CORO	4	120	2	4	18RC	1	13	1000	650	50	50	+01	+07	2500	9.4	2	75	55	28.70
2157	P549	040177	72	VOLK	SEDA	4	097	1	4	97	2	11	1200	850	48	48	+02	000	2250	8.8	2	74	53	28.68
2158	P597	040677	72	VOLK	STAW	4	103	0	1	1600CC	1	11	900	850	53	53	+35	+27	2750	9.9	2	77	53	28.85
2385	P596	040677	72	BUIC	SKYL	8	350	2	1	350	1	19	800	650	30	30	+04	+04	4000	12.0	2	77	54	28.87
2386	P368	031077	72	BUIC	STAW	8	455	4	1	BE	1	22	650	650	34	30	+15	+04	5500	15.3	1	72	51	28.67
2387	P567	040277	72	CHEV	VEGA	4	140	1	1	140	2	11	500	700	32	32	+05	+06	2500	9.4	2	73	54	28.63
2388	P690	041877	72	CHEV	CHEL	8	307	2	1	307	1	19	590	600	30	30	+08	+08	3500	11.2	2	77	53	28.46
2389	P654	041377	72	CHEV	IMPA	8	350	2	1	350	1	24	555	600	30	30	+06	+06	4500	14.0	1	76	53	28.63
2390	P751	042877	72	CHEV	IMPA	8	350	2	1	350	1	24	550	600	34	30	+06	+06	4500	14.0	1	74	51	28.67
2391	P530	033077	72	CHEV	STAW	8	400	2	1	400	1	23	600	600	28	30	+06	+06	5000	14.7	1	73	54	28.70
2392	P547	033177	72	CHRY	NEWP	8	400	2	1	B	1	23	675	700	30	30	+05	+05	4500	14.0	1	76	54	28.69
2393	P615	040877	72	DODG	DART	6	225	1	3	BG	1	16	750	750	42	42	000	000	3000	10.3	2	76	53	28.90
2394	P573	040477	72	FORD	PINT	4	122	2	1	122	2	11	700	650	38	38	+06	+06	2500	9.4	2	73	52	28.92
2395	P571	040477	72	FORD	TORI	8	302	2	1	302	2	23	550	600	26	26	+06	+06	4000	13.2	1	73	52	28.91
2396	P742	042777	72	FORD	TORI	8	351	2	1	351	1	23	750	575	26	26	+06	+06	3500	12.3	1	73	53	28.53
2397	P678	041677	72	FORD	LTD	8	429	4	1	429	1	22	650	600	26	26	+10	+10	4500	14.0	1	75	53	28.65
2398	P797	050277	72	LINC	MRK4	8	460	4	1	460	1	23	700	625	26	26	+06	+06	5000	14.7	1	76	51	28.71
2399	P688	041877	72	MERC	MARQ	8	429	4	1	429	1	22	660	600	27	27	000	+10	4500	14.0	1	74	54	28.58
2400	P110	021077	72	OLDS	CUTL	8	350	4	1	SD	1	20	700	650	99	99	+12	+12	3500	12.3	1	75	55	28.80
2401	P033	020277	72	OLDS	ROYA	8	455	4	1	SH302	1	25	600	600	30	30	+06	+08	4500	14.0	1	72	51	28.78
2402	P546	033177	72	PLYM	DUST	8	318	2	1	LA	2	16	750	750	32	32	000	000	3000	11.3	1	69	53	28.68
2403	P670	041577	72	PONT	STAW	8	455	2	1	201	1	23	600	625	32	30	+10	+10	5000	14.7	1	75	53	28.60
2404	P583	040577	72	CAPR	COUP	4	122	2	4	122-2.0	1	12	875	750	38	38	+04	+06	2500	9.4	2	75	53	28.87
1159	P043	020377	71	BUIC	ELEC	8	455	4	1	BH	1	26	800	600	32	30	+06	+04	4500	14.0	1	75	51	28.90
1160	P445	031777	71	BUIC	SKYL	8	350	2	1	BA	1	19	880	600	30	30	+10	+10	3500	11.2	2	73	54	28.76
1161	P599	040677	71	CHEV	VEGA	4	140	1	4	102	2	11	650	700	30	30	+08	+10	2500	9.4	2	76	54	28.77
1162	P433	031677	71	CHEV	MALI	8	350	2	1	AP	1	19	700	550	30	30	+06	+06	3500	12.3	1	72	53	28.62
1163	P723	042177	71	CHEV	CAMA	8	307	2	1	AO	1	17	610	550	30	30	+08	+08	3500	11.2	2	75	53	28.79
1164	P088	020877	71	CHEV	IMPA	8	350	2	1	AP	1	24	600	550	20	30	+06	+06	4000	12.0	2	71	51	28.96
1165	P285	022877	71	CHEV	BELA	8	350	2	1	AD	1	24	600	550	30	30	+06	+06	4000	13.2	1	78	52	28.76
1166	P470	032077	71	CHRY	NEWP	8	440	4	1	440	1	23	780	750	30	30	-05	-05	4500	14.0	1	74	52	28.69
1167	P114	021077	71	DODG	CORO	8	318	2	1	318	1	21	700	700	30	30	000	000	3500	12.3	1	74	53	28.87
1168	P112	021077	71	FORD	PINT	4	122	2	4	122	1	11	650	750	44	42	+12	+10	2250	8.8	2	78	55	28.78
1169	P211	022177	71	FORD	TORI	8	302	2	1	302	1	20	500	625	19	24	+08	+06	3500	12.3	1	75	52	28.74
1170	P702	041977	71	FORD	MUST	6	250	1	1	250	1	20	650	600	26	26	+06	+06	3000	10.3	2	77	52	28.50
1171	P236	022377	71	FORD	GALA	8	351	2	1	351	1	23	700	600	26	26	+10	+06	4000	13.2	1	72	50	28.89
1172	P065	020577	71	FORD	LTD	8	400	2	1	400	1	23	600	625	30	30	000	+06	4000	13.2	1	72	52	28.92
1173	P523	032977	71	MERC	COUG	8	351	2	1	351	1	20	550	600	24	24	+06	+06	3500	12.3	1	74	54	28.66
1174	P274	022777	71	OLDS	NNTY	8	455	4	1	OG	1	25	650	600	30	30	+08	+08	5000	14.7	1	74	55	28.94
1175	P581	040477	71	PLYM	VALI	6	225	1	1	19	2	16	850	750	28	28	000	000	3000	10.3	2	76	53	28.88
1176	P796	050177	71	PONT	BONN	8	455	4	1	455	1	25	500	650	28	28	+13	+12	4500	14.0	1	73	51	28.70
1177	P248	022477	71	PONT	LEMA	8	350	2	1	PD	1	20	650	650	31	30	+11	+12	4000	13.2	1	77	57	28.57
1178	P397	031277	71	DATS	STAW	4	097	2	4	L-16	1	12	550	700	36	36	+10	+10	2500	9.4	2	73	51	28.68
1179	P341	030777	71	TOYO	CORO	4	071	2	4	71	1	12	800	650	99	99	-05	-05	2000	8.3	2	75	54	28.83
1180	P328	030477	71	VOLK	SEDA	4	097	1	4	97	1	11	800	800	42	42	-05	-05	2000	8.3	2	75	53	28.70
1405	P737	042377	71	AMC	AMBA	8	360	2	1	360	1	20	600	650	28	29	+04	+05	4000	13.2	1	78	52	28.75
1406	P692	041877	71	BUIC	STAW	8	455	4	1	455	1	22	750	600	29	30	+04	+04	5500	15.3	1	76	53	28.45
1407	P574	040477	71	CADI	DEVI	8	472	4	1	KA	1	26	800	600	32	30	+08	+08	5000	14.7	1	75	53	28.96
1408	P601	040677	71	CHEV	CHEL	8	350	2	1	AD	1	19	650	600	30	30	+04	+06	3500	12.3	1	75	54	28.82
1409	P453	031877	71	CHEV	MALI	8	307	2	3	AO	1	19	550	600	24	30	+08	+08	3500	11.2	2	75	53	28.73
1410	P544	033177	71	CHEV	MALI	8	350	2	1	350	1	19	550	550	30	30	+06	+06	3500	12.3	1	77	54	28.75
1411	P482	032177	71	CHEV	IMPA	8	400	2	1	AS	1	24	550	550	30	30	+08	+08	4500	14.0	1	79	55	28.73
1412	P226	022277	71	DODG	DART	6	225	1	1	225	1	17	550	750	99	99	000	000	3000	10.3	2	76	52	28.57
1413	P293	030177	71	FORD	STAW	8	302	2	1	302	1	18	750	600	28	28	+06	+06	4000	13.2	1	75	52	28.51
1414	P115	021177	71	FORD	TORI	8	351	2	1	351	1	20	750	650	23	24	+06	+06	3500	11.2	2	74	53	28.88
1415	P448	031877	71	FORD	GALA	8	351	2	1	351	1	23	780	600	30	30	+06	+06	4000	13.2	1	74	54	28.68
1416	P186	021877	71	MERC	STAW	8	400	2	1	400	1	22	675	625	22	27	+02	+06	4500	14.0	1	78	54	28.90
1417	P399	031377	71	OLDS	STAW	8	350	2	1	OA	1	20	560	600	30	30	+12	+10	3500	11.2	2	72	51	28.60
1418	P411	031477	71	OLDS	CUTL	8	350	4	1	OB	1	20	500	600	30	30	+10	+12	3500	12.3	1	73	51	28.80
1419	P199	021977	71	PLYM	VALI	8	318	2	1	318	1	16	800	700	99	99	000	000	3000	10.3	2	76	51	28.93
1420	P175	021777	71	PLYM	FRY3	8	360	2	1	360	1	23	700	700	28	30	+06	+02	4000	13.2	1	79	54	28.85
1421	P689	041877	71	PONT	VENT	8	307	2	1	302	1	16	585	550	32	30	+08	+08	3500	11.2	2	75	53	28.52
1422	P384	031177	71	VOLK	SEDA	4	097	1	4	AE	2	11	700	800	44	44	-05	-05	2250	8.8	2	75	50	28.77
1720	P757	042877	71	MERB	220D	4	141	0	4	141	1	17			99	99			3500	12.3	1	78	52	28.61
0181	P224	022277	70	AMC	HORN	6	232	1	1	232-258	1	19	550	550	31	31	+03	+03	3000	10.3	2	75	52	28.58
0182	P541	033177	70	BUIC	WILD	8	455	4	1	BO	1	25	700	600	34	30	+06	+06	4500	14.0	1	73	53	28.75
0183	P701	041977	70	CHEV	NOVA	8	307	2	1	307	1	19	650	600	34	30	+08	+08	3500	11.2	2	77	52	28.46
0184	P134	021477	70	CHEV	MALI	8	307	2	1	AO	1	20	575	600	99	99	+08	+08	3500	11.2	2	74	52	28.76
0185	P126	021277	70	CHEV	MALI	8	350	2	1	DN	1	20	800	600	99	99	+08	+04	3500	11.2	2	74	50	29.00

APPENDIX A,CONT'D

LISTING OF VEHICLES AND TEST PARAMETERS

PHOENIX

VEH	RUN	DATE	YR	MAKE	MODL	C	CID	V	T	ENGINE FAM	A	FT	IRPM	IRPMB	DW	DNS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM
8485	P270	022677	68	CHEV	CAPR	8	327	4	1	327	1	25	750	600	30	30	+06	+04	4000	12.0	2	73	51	29.04
8486	P565	040277	68	CHEV	STAW	8	396	4	1	396-350HP	1	25	600	600	32	32	+08	000	4500	14.0	1	75	54	28.66
8487	P304	030277	68	CHRY	NEWP	8	383	2	1	383	1	24	700	[illegible]	[illegible]	[illegible]	000	+01	4500	13.2	1	72	50	28.75
8488	P625	040877	68	DODG	DART	6	225	1	3	225	1	18	900	850	42	42	000	000	3000	10.3	2	76	53	28.74
8489	P706	042077	67	DODG	CORO	8	318	2	1	318	1	19	700	700	29	29	000	000	3500	11.2	2	74	52	28.56
8490	P613	040877	68	DODG	POLA	8	383	2	1	41	1	25	650	600	[illegible]	[illegible]	+01	+01	4500	13.2	1	75	52	28.66
8491	P589	040577	67	FORD	FALC	6	200	1	3	200	1	16	690	700	[illegible]	[illegible]	[illegible]	+06	3000	10.3	2	76	53	28.78
8492	P561	040277	68	FORD	MUST	8	289	2	1	289	1	16	650	550	26	26	[illegible]	+06	3000	10.3	2	75	54	28.62
8493	P277	022877	68	FORD	FAIR	8	289	2	1	289	2	20	700	550	26	26	+06	+06	3500	11.2	2	74	50	28.95
8494	P604	041677	68	FORD	CUST	8	302	2	3	302	1	25	600	[illegible]	29	29	[illegible]	+06	4000	13.2	1	76	53	28.67
8495	P492	032277	68	FORD	TORI	8	302	2	1	302	1	20	500	[illegible]	26	26	[illegible]	+06	3500	11.2	2	78	55	28.60
8496	P372	031077	66	FORD	STAW	8	390	2	1	390	1	20	600	625	24	26	+04	+06	4500	14.0	1	75	49	28.77
8497	P585	040577	66	FORD	FALC	6	200	1	1	200	2	16	600	[illegible]	30	30	+10	+12	2750	9.9	2	77	53	28.90
8498	P564	040277	68	FORD	MUST	8	289	2	1	289	1	16	[illegible]	[illegible]	26	26	+08	+06	3000	10.3	2	72	54	28.66
8499	P624	040877	68	FORD	RANC	8	289	2	1	289	1	20	900	[illegible]	26	26	+08	+06	3500	11.2	2	74	52	28.74
8500	P562	040277	67	FORD	STAW	8	390	4	1	390	1	20	600	[illegible]	36	31	+10	+10	4500	14.0	1	77	54	28.61
8501	P739	042677	68	FORD	THND	8	429	4	1	429	1	24	750	600	26	26	+06	+06	4500	14.0	1	75	53	28.52
8502	P669	041477	65	LINC	CONT	8	462	4	1	462	1	25	600	500	28	26	+04	+10	5500	15.3	1	75	53	28.57
8503	P655	041377	67	MERC	COUG	8	289	2	3	289	1	17	720	600	25	26	000	+06	3500	11.2	2	74	53	28.59
8504	P556	040177	67	OLDS	CUTL	8	330	2	1	330	2	20	600	500	28	30	+06	+07	3500	11.2	2	75	53	28.64
8505	P271	022677	65	OLDS	MNTY	8	425	4	1	425	1	25	500	550	20	30	+05	+05	4500	14.0	1	75	52	28.98
8506	P603	040777	68	OLDS	CUTL	8	350	2	1	350	2	20	690	600	32	30	+04	+06	3500	12.3	1	72	52	28.82
8507	P278	022877	68	PLYM	SATE	8	318	2	1	318	1	25	750	600	28	28	000	-02	3500	11.2	2	75	50	28.93
8508	P577	040477	68	PLYM	FRY3	8	318	2	1	FD318	1	25	600	600	28	28	-02	-02	4000	12.0	2	76	53	28.98
8509	P733	042277	68	PLYM	FRY3	8	383	2	1	383	1	25	700	600	36	36	+07	+07	4000	13.2	1	74	53	28.72
8510	P657	041377	66	PLYM	SPOR	8	383	4	1	383	1	25	900	500	28	28	+12	+12	4000	13.2	1	77	52	28.45
8511	P658	041377	67	PONT	LEMA	8	326	2	1	326	1	27	850	650	34	30	+08	+08	3500	11.2	2	78	52	28.43
8512	P801	050277	68	PONT	STAW	8	400	4	1	PG	1	25	600	650	34	30	+06	+06	4500	14.0	1	75	51	28.72
8513	P212	022177	68	PONT	STAW	8	350	2	1	PF	1	20	700	600	35	30	+06	+09	4000	12.0	2	76	53	28.66
8514	P437	031777	68	PONT	CATA	8	400	2	1	PG	1	26	700	650	30	30	+09	+09	4500	13.2	1	74	53	28.70
8515	P794	050177	68	PONT	CATA	8	400	2	1	PG	1	26	625	650	32	30	+06	+06	4500	13.2	1	76	53	28.68
8516	P363	030977	68	VOLK	SEDA	4	091	1	4	91	2	11	500	650	48	48	000	000	2250	8.8	2	75	54	28.51
8517	P747	042777	66	VOLK	SEDA	4	097	1	4	097	2	11	1300	550	48	48	+09	+07	2250	8.8	2	77	54	28.57
8701	P673	041577	68	MERB	220D	4	134	0	4	134	1	20			99	99			3500	12.3	1	72	53	28.64
8702	P682	041677	65	MERB	190D	4	121	0	4	121	1	14			99	99			3000	11.3	1	76	54	28.78
8706	P557	040177	67	MERB	SEDA	4	121	0	4	OM621VIII	2	17	525		99	99			3000	11.3	1	76	54	28.61
8709	P622	040877	65	MERB	190D	4	121	0	4	121	2	14	560		99	99			3000	11.3	1	74	54	28.79
8716	P756	042877	67	MERB	200D	4	121	0	4	121	1	17			99	99			3000	11.3	1	75	52	28.69
8717	P720	042177	67	MERB	200D	4	121	0	4	121	1	17			99	99			3000	11.3	1	72	51	28.89
8718	P730	042277	65	MERB	190D	4	121	0	4	121	1	14			99	99			3000	11.3	1	76	52	28.87

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APPENDIX B - LISTING OF TEST VEHICLE USE DATA

Legend

VEH - Vehicle Number

YEAR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

ODOM - True Mileage

N - Purchased New or Used (1: New; 2: Used)

PUR - Purchase Date of Vehicle (1: 0-3 mos; 2: 3-12 mos; 3: 1-2 yrs; 4: over 2 yrs ago)

YMT - Yearly Vehicle Miles Traveled (1: 0-5000; 2: 5001-10,000; 3: 10,001-15,000; 4: 15,001-20,000; 5: 20,001-30,000; 6: over 30,000)

F - City Expressway Driving (1: almost all; 2: most; 3: some; 4: little or none)

C - Major City Street Driving (1: almost all; 2: most; 3: some; 4: little or none)

O - Other City Street Driving (1: almost all, 2: most; 3: some; 4: little or none)

I - Rural Expressway Driving (1: almost all; 2: most; 3: some; 4: little or none)

R - Other Rural Road Driving (1: almost all; 2: most; 3: some; 4: little or none)

W - To and From Work Driving (1: almost all; 2: most; 3: some; 4: little or none)

S - Shopping and Errands Driving (1: almost all, 2: most; 3: some, 4: little or none)

B - Business Driving (1: almost all; 2: most; 3: some; 4: little or none)

V - Other Driving, vacations, social, etc. (1: almost all; 2: most; 3: some; 4: little or none)

L - Trip to the Test Lab. (1: city streets only; 2: some expressways; 3: primarily expressways)

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MI - Approximate Miles Traveled to Lab

VEHICLE USE - Vehicle Use (1: almost all; 2: most; 3: some; 4: little or none)
A: Driver only
B: Driver and one passenger
C: Driver and two or more passengers
D: Driver only with heavy cargo
E: Driver, passenger, and cargo
F: Towing a trailer

TR - Number of Trips Made on a Typical Day

F - How often is Full Throttle Acceleration Used per Week (1: seldom; 2: once or twice; 3: 3-6 times; 4: every day)

OA - Overall Fuel Economy (0: don't know)

HD - Highway Fuel Economy (0: don't know)

CD - City Driving Fuel Economy (0: don't know)

H - Hydrogen Sulfide Odor in Exhaust (1: never; 2: seldom; 3: occasionally; 4: frequently; 5: don't know)

U - Vehicle Operated Regularly, in Competative Events, or in Transporting Loads Heavier than for which it was designed (1: yes; 2: no; 3: don't know)

DAMAGE - Major Damage in any of Following Areas (1: Yes; 2: No)
A: Engine
B: Cooling System
C: Fuel System
D: Exhaust System
E: No Damage
F: Don't Know

APPENDIX B

LISTING OF TEST VEHICLE USE DATA

DENVER

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
7001	1976	CHEV	C10	8159	1	2	3	2	4	3	3	4	3	3	4	3	2	4	2	3	4	4	4	4	12	4	13	0	0	4	2	2	2	2	2	1	2
7002	1976	CHEV	G10	17611	1	2	5	2	3	3	4	4	4	4	1	4	3	25	2	3	4	3	4	3	5	4	10	10	0	2	2	2	2	2	2	1	2
7003	1976	CHEV	VAN	11366	1	2	5	2	3	3	4	4	3	3	4	3	2	3	2	3	4	4	4	4	5	3	0	14	0	4	2	2	2	2	2	1	2
7004	1976	CHEV	C10	19651	1	2	5	3	2	4	4	3	3	3	4	4	2	5	3	3	3	4	3	4	4	1	0	17	12	4	2	2	2	2	2	1	2
7005	1976	DODG	VAN	13080	2	2	5	2	3	3	4	4	3	3	4	3	3	25	2	3	4	4	4	4	3	4	18	18	0	4	2	2	2	2	2	1	2
7006	1976	DODG	B100	11349	1	2	3	4	3	2	4	4	4	2	4	3	3	25	4	3	2	4	3	4	3	1	8	0	0	3	2	2	2	2	2	1	2
7007	1976	FORD	F100	9555	1	2	3	3	3	3	3	4	4	3	4	2	2	10	4	3	2	4	4	3	2	1	0	15	13	1	2	2	2	2	2	1	2
7008	1976	FORD	F100	2300	1	1	4	2	3	3	4	4	3	3	4	3	2	6	2	3	4	4	4	4	3	4	12	0	0	1	2	2	2	2	2	1	2
7009	1976	FORD	F100	13560	1	2	5	4	2	3	4	4	3	3	3	4	2	7	3	2	4	4	3	4	6	2	11	11	10	1	2	2	2	2	2	1	2
7010	1976	DATS	PICK	5174	1	2	2	3	2	3	4	4	3	3	4	3	2	8	3	3	4	4	4	4	6	3	22	0	0	1	2	2	2	2	2	1	2
7011	1975	CHEV	C10	5621	1	3	2	3	3	2	4	4	2	4	4	3	2	20	3	3	3	3	4	4	2	3	10	13	0	3	2	2	2	2	2	1	2
7012	1975	CHEV	C10	12000	1	3	3	3	3	3	3	3	3	3	4	3	3	30	2	3	4	4	4	4	2	3	9	0	0	4	2	2	2	2	2	1	2
7013	1975	CHEV	VAN	21403	2	2	4	3	3	3	4	4	3	3	4	3	3	15	1	4	4	4	4	4	6	4	13	0	0	1	2	2	2	2	2	1	2
7014	1975	DODG	VAN	22985	1	3	5	4	3	2	4	4	3	3	4	3	3	4	1	4	4	4	4	3	2	2	0	0	0	4	2	2	2	2	2	1	2
7015	1975	FORD	F100	15816	1	3	3	4	2	3	4	4	2	3	4	4	2	10	1	4	4	4	4	4	2	2	0	0	0	1	2	2	2	2	2	1	2
7016	1975	FORD	F100	19667	2	2	4	2	4	4	3	4	4	3	4	2	3	7	3	2	4	4	4	4	2	2	11	12	9	1	2	2	2	2	2	1	2
7017	1975	FORD	E100	23812	1	3	3	3	3	3	4	4	3	3	3	3	3	30	1	4	4	4	4	4	4	2	0	15	12	1	2	2	2	2	2	1	2
6018	1976	AMC	HORN	7660	1	2	3	4	2	3	4	4	3	3	3	4	2	18	2	3	4	4	4	4	6	2	0	20	15	1	2	2	2	2	2	1	2
6019	1976	BUIC	CNTI	33346	2	1	6	3	3	3	3	4	4	4	1	4	3	45	1	3	4	4	4	4	10	4	15	0	0	1	2	2	2	2	2	1	2
6020	1976	BUIC	LESA	9884	1	2	3	3	3	2	4	4	4	2	4	3	2	10	2	3	4	4	4	4	2	1	0	14	0	4	2	2	2	2	2	1	2
6021	1976	CADI	DEVI	19113	2	1	4	4	2	3	4	4	4	4	1	4	3	40	2	4	3	4	4	4	12	4	12	0	0	1	2	2	2	2	2	1	2
6022	1976	CHEV	STAW	4197	1	2	3	3	3	3	4	4	3	3	4	3	3	30	4	3	2	4	4	3	3	2	11	0	0	3	1	2	2	2	2	1	2
6023	1976	CHEV	CHEL	8701	1	2	2	3	4	2	4	4	4	2	4	3	3	25	1	4	4	4	4	4	2	2	12	0	0	3	2	2	2	2	2	1	2
6024	1976	CHEV	STAW	11129	1	2	4	3	3	3	4	4	4	3	2	4	3	25	2	4	3	4	4	4	6	4	25	0	0	4	2	2	2	2	2	1	2
6025	1976	CHEV	MONT	7029	1	3	2	3	3	3	4	4	4	3	3	3	3	5	4	3	2	4	4	4	2	1	0	15	8	1	2	2	2	2	2	1	2
6026	1976	CHEV	MONT	2274	1	2	2	4	3	2	4	4	4	2	4	3	2	9	1	4	4	4	4	4	2	1	10	0	10	1	2	2	2	2	2	1	2
6027	1976	CHEV	NOVA	14312	1	2	4	2	3	3	4	4	3	3	3	3	3	25	2	3	4	4	4	3	10	4	15	0	0	4	2	2	2	2	2	1	2
6028	1976	CHEV	CHET	8501	1	2	3	3	2	3	4	4	3	3	2	4	3	25	1	4	4	4	4	4	6	4	0	0	0	1	2	2	2	2	2	1	2
6029	1976	DODG	STAW	2640	1	1	2	4	3	2	4	4	4	2	4	3	2	5	3	2	4	4	4	4	2	2	0	0	10	1	2	2	2	2	2	1	2
6030	1976	DODG	STAW	4526	1	2	3	3	3	3	3	3	4	2	4	3	2	10	4	4	1	4	4	4	2	3	16	0	0	1	2	2	2	2	2	1	2
6031	1976	FORD	PINT	8962	1	2	3	3	2	3	4	4	3	3	4	3	2	10	3	3	3	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
6032	1976	FORD	LTD	5967	1	2	6	3	3	3	3	3	4	4	1	4	2	4	1	3	4	4	4	4	6	4	14	15	12	2	2	2	2	2	2	1	2
6033	1976	FORD	ELIT	9733	1	2	3	3	2	3	4	4	2	4	4	3	2	15	2	4	3	4	4	4	2	4	11	0	11	1	2	2	2	2	2	1	2
6034	1976	FORD	GRAN	9007	1	2	3	3	3	3	3	3	3	3	4	3	3	20	4	4	1	4	4	4	4	3	0	0	0	2	2	2	2	2	2	1	2
6035	1976	FORD	GRAN	9233	1	2	3	4	2	3	4	4	4	3	4	3	3	22	2	3	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
6036	1976	FORD	STAW	13916	1	2	4	3	3	3	4	4	3	3	3	3	3	10	4	3	2	4	4	3	2	3	0	15	0	4	2	2	2	2	2	1	2
6037	1976	MERC	COUG	8059	1	2	3	3	3	2	4	4	1	4	4	4	2	5	1	4	4	4	4	4	4	1	0	0	0	4	2	2	2	2	2	1	2
6038	1976	MERC	COME	2664	1	2	2	4	3	2	4	4	3	3	4	3	2	10	2	3	4	4	4	4	4	1	13	0	0	5	2	2	2	2	2	1	2
6039	1976	OLDS	CUTL	29534	1	2	5	3	3	3	3	3	3	4	1	4	1	7	2	3	4	4	4	4	5	3	16	0	0	1	2	2	2	2	2	1	2
6040	1976	OLDS	STAW	20751	1	2	5	3	3	3	4	4	3	4	2	4	3	14	1	4	4	4	4	4	8	4	16	0	0	1	2	2	2	2	2	1	2
6041	1976	OLDS	TORO	18131	1	2	5	2	3	3	3	4	3	4	2	3	2	35	1	4	4	4	4	4	4	4	0	15	12	1	2	2	2	2	2	1	2
6042	1976	PLYM	VOLA	12421	1	2	5	3	3	4	3	4	3	4	2	4	3	25	1	4	4	4	4	4	6	4	0	22	14	3	2	2	2	2	2	1	2
6043	1976	PLYM	FURY	11329	1	2	3	3	3	2	4	4	3	2	4	3	3	45	2	4	4	4	4	4	4	2	0	20	16	1	2	2	2	2	2	1	2
6044	1976	PONT	LEMA	15686	2	2	2	4	4	1	4	4	4	2	4	3	2	31	4	3	3	4	4	4	4	1	0	20	0	1	2	2	2	2	2	1	2
6045	1976	PONT	STAW	4310	1	2	2	3	2	3	4	4	4	2	4	4	3	13	4	3	2	4	4	3	2	3	10	0	0	4	2	2	2	2	2	1	2
6046	1976	DATS	B210	7435	1	2	3	3	3	3	4	4	3	3	4	3	2	28	3	2	4	4	4	4	5	3	28	0	0	1	2	2	2	2	2	1	2
6047	1976	DATS	STAW	10840	1	2	3	3	3	3	4	4	3	3	4	3	2	2	4	4	3	4	4	4	2	3	25	0	0	1	2	2	2	2	2	1	2
6048	1976	TOYO	STAW	8936	1	2	3	3	3	3	3	3	3	3	4	3	2	15	2	4	3	4	4	4	7	4	0	30	24	1	2	2	2	2	2	1	2
6049	1976	TOYO	CELI	6599	1	1	5	2	3	3	4	4	3	3	4	3	3	30	1	4	4	4	4	4	4	4	25	0	0	1	2	2	2	2	2	1	2
6050	1976	VOLK	DASH	15294	1	2	4	3	3	3	4	4	3	3	4	3	2	18	1	4	4	4	4	4	5	2	27	29	26	1	2	2	2	2	2	1	2
6051	1976	VOLK	RABB	9606	1	2	4	3	3	3	3	4	3	3	3	3	3	20	2	3	3	4	4	4	3	4	29	0	0	3	2	2	2	2	2	1	2
5052	1975	AMC	STAW	13194	1	3	3	4	2	3	4	4	4	2	4	3	3	15	3	4	3	4	4	4	3	3	0	0	0	1	2	2	2	2	2	1	2
5053	1975	BUIC	CNTI	24066	1	4	3	3	3	3	3	4	3	3	4	3	2	20	3	3	4	4	4	4	4	2	0	16	0	2	2	2	2	2	2	1	2
5054	1975	BUIC	RIVI	24109	1	3	4	2	3	3	3	3	4	3	2	3	3	10	1	4	4	3	4	4	20	4	0	15	11	4	2	2	1	2	2	2	2
5055	1975	CADI	DEVI	14805	1	3	2	4	3	3	3	3	4	2	4	3	2	20	3	3	4	4	4	4	4	1	0	0	0	3	2	2	2	2	2	1	2
5056	1975	CHEV	VEGA	11713	1	3	2	3	3	3	4	4	4	2	4	3	3	20	2	3	4	4	4	4	2	2	23	27	21	3	2	2	2	2	2	1	2
5057	1975	CHEV	MALI	11830	1	3	2	4	2	3	4	4	4	2	4	3	2	10	1	4	4	4	4	4	2	2	0	0	0	1	2	2	2	2	2	1	2
5058	1975	CHEV	IMPA	18975	1	3	3	4	2	3	4	4	3	3	4	3	3	20	2	3	4	4	4	4	5	1	12	16	12	1	2	2	2	2	2	1	2
5059	1975	CHEV	STAW	10347	1	4	2	4	2	3	4	4	3	4	4	3	2	20	2	3	4	4	4	4	6	1	8	0	0	4	2	2	2	2	2	1	2
5060	1975	CHEV	NOVA	21962	1	3	3	4	2	3	4	4	3	3	4	3	3	25	1	4	4	4	4	4	2	1	0	24	20	3	2	2	2	2	2	1	2
5061	1975	CHRY	CORD	15039	1	3	2	3	2	4	4	4	3	3	3	3	3	3	2	3	4	4	4	4	4	4	10	0	0	4	2	2	2	2	2	1	2
5062	1975	DODG	CORO	23555	1	3	5	3	4	4	3	4	3	3	4	3	3	30	2	3	4	4	4	4	4	4	15	0	0	1	2	2	2	2	2	1	2
5063	1975	FORD	PINT	22935	1	3	3	3	3	2	4	4	3	3	3	3	3	6	1	4	4	4	4	4	4	3	0	24	18	1	2	2	2	2	2	1	2
5064	1975	FORD	LTD	36711	1	3	4	2	4	3	4	4	3	3	3	4	2	20	2	4	3	4	4	4	6	4	0	0	0	2	2	2	2	2	2	1	2
5065	1975	FORD	LTD	22126	1	3	3	3	3	3	4	4	4	2	4	3	3	25	4	3	2	4	4	4	3	1	0	16	12	1	2	2	2	2	2	1	2
5066	1975	FORD	GRAN	10515	1	3	2	4	2	3	4	4	4	2	4	3	3	20	2	1	4	4	4	4	2	1	18	0	0	1	3	2	2	1	2	2	2
5067	1975	FORD	GRAN	20678	1	4	2	3	3	2	4	4	4	2	4	3	3	14	3	4	4	4	4	4	4	2	12	0	0	1	2	2	1	2	2	2	2
5068	1975	MERC	COUG	27832	1	3	3	2	3	3	4	4	3	3	3	3	2	4	3	3	3	4	4	4	5	4	0	0	0	4	2	2	2	2	2	1	2
5069	1975	OLDS	CUTL	9607	1	3	2	4	3	2	4	4	4	2	4	3	2	10	2	3	4	4	4	4	2	2	0	0	0	4	2	2	2	2	2	1	2
5070	1975	OLDS	[illegible]	28056	1	3	4	3	3	3	4	4	3	3	4	3	2	9	3	4	3	4	4	4	10	3	10	0	0	1	2	2	2	2	2	1	2
5071	1975	PLYM	DUST	10948	1	3	3	4	2	3	4	4	4	2	4	3	2	4	1	4	4	4	4	3	2	3	0	29	0	1	2	2	2	2	2	1	2
5072	1975	PLYM	FURY	14531	1	2	4	3	3	3	3	3	4	3	4	3	2	27	1	4	4	4	4	4	4	4	22	24	19	3	2	2	2	2	2	1	2
5073	1975	PONT	STAW	29379	1	3	4	3	3	3	4	4	3	3	3	3	3	25	3	3	3	4	4	3	4	4	13	14	12	1	2	2	2	2	2	1	2
5074	1975	PONT	FIRE	23619	1	3	3	2	3	3	4	4	3	3	4	3	3	20	1	4	4	4	4	4	6	4	0	18	12	4	2	2	2	2	2	1	2
5075	1975	DATS	B210	18155	1	3	3	2	3	4	3	4	3	3	3	3	1	5	2	3	4	4	4	4	4	2	0	41	32	1	2	2	2	2	2	1	2
5076	1975	TOYO	CORO	16265	1	3	2	4	3	3	4	4	3	3	4	3	2	6	4	2	3	4	4	4	2	1	0	23	17	1	2	2	2	2	2	1	2
5077	1975	TOYO	CORO	13680	1	3	3	4	2	3	4	4	3	3	3	3	3	12	3	2	4	4	4	4	2	2	30	0	0	1	2	2	2	2	2	1	2
5078	1975	VOLK	SEDA	13838	1	3	3	3	2	3	4	4	3	3	4	3	3	25	2	3	4	4	4	4	4	3	0	0	0	1	2	2	2	2	2	1	2
5079	1975	VOLK	RABB	21398	2	3	4	4	2	3	4	4	3	2	4	4	2	12	1	4	4	4	3	4	3	1	28	35	28	1	2	2	2	2	2	1	2
4080	1974	AMC	MATA	17574	1	4	2	3	2	3	4	4	2	3	4	4	1	10	2	3	4	4	4	4	2	1	0	18	0	1	2	2	2	2	2	1	2

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APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

DENVER

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	EMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	QA	ND	CD	H	U	A	B	C	D	E	F
4081	1974	BUIC	LESA	30097	1	3	3	3	2	3	4	4	4	2	4	3	2	31	3	3	2	4	4	4	4	4	0	14	11	1	2	2	2	2	2	1	2
4082	1974	CADI	DEVI	33900	2	2	3	2	3	3	4	4	4	3	4	3	2	15	3	3	3	4	4	4	4	4	0	13	12	1	2	2	2	2	2	1	2
4083	1974	CHEV	VEGA	24267	2	3	4	2	3	3	4	4	4	4	1	4	1	3	1	4	4	4	4	4	4	3	0	0	0	1	2	2	2	2	2	1	2
4084	1974	CHEV	MALI	24353	1	4	3	3	2	3	4	4	4	3	4	2	3	20	2	3	4	4	4	4	2	1	0	16	0	1	2	2	2	2	2	1	2
4085	1974	CHEV	NOVA	34369	2	2	3	2	3	3	4	4	2	3	4	3	3	25	2	3	4	4	4	4	5	4	0	0	0	1	2	2	2	2	2	1	2
4086	1974	CHEV	NOVA	41786	1	4	5	3	3	3	4	4	3	3	4	3	1	15	3	3	4	4	4	4	5	4	10	0	0	1	2	2	2	2	2	1	2
4087	1974	CHEV	VEGA	31150	2	4	2	3	3	3	4	4	3	4	4	3	3	35	2	3	4	4	4	4	2	2	16	0	0	1	2	2	2	2	2	1	2
4088	1974	CHEV	IMPA	18941	1	4	2	3	3	2	4	4	4	2	4	3	3	15	3	2	4	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
4089	1974	CHRY	NEWP	29199	1	4	3	2	3	3	3	3	4	3	4	2	1	5	4	4	4	4	4	3	1	2	0	0	0	1	2	2	2	2	2	1	2
4090	1974	DODG	CORO	25239	1	4	3	4	3	2	4	4	4	3	4	3	2	13	1	3	3	4	3	4	2	1	12	15	11	1	2	2	2	2	2	1	2
4091	1974	FORD	STAW	27711	1	3	3	4	3	2	4	4	2	3	4	3	1	6	4	3	4	4	4	4	2	1	0	0	17	1	2	2	2	2	2	1	2
4092	1974	FORD	MAVE	15413	1	4	2	4	1	4	4	4	3	3	4	3	1	10	1	3	4	4	4	4	2	1	15	0	0	1	2	2	2	2	2	1	2
4093	1974	FORD	MAVE	26821	1	4	3	4	3	2	3	3	3	3	4	3	1	12	3	3	3	4	4	4	6	2	22	0	0	1	2	2	2	2	2	1	2
4094	1974	FORD	GALA	36941	2	4	3	3	3	3	4	4	4	3	4	2	1	20	3	3	3	4	4	4	4	1	0	15	11	1	2	2	2	2	2	1	2
4095	1974	FORD	TORI	37036	2	2	4	2	3	3	4	4	2	3	3	3	1	7	3	3	2	4	4	4	2	3	17	18	0	1	2	2	2	2	2	1	2
4096	1974	MERC	COME	35384	1	4	4	3	3	3	3	3	4	2	4	3	3	18	3	3	3	4	4	4	4	3	13	0	0	1	2	2	2	2	2	1	2
4097	1974	OLDS	CUTL	28110	1	4	3	3	3	3	4	4	3	2	4	3	2	23	3	3	2	4	4	4	2	2	0	17	12	1	2	2	2	2	2	1	2
4098	1974	OLDS	[illegible]	23088	2	4	2	3	2	3	4	4	4	3	4	3	3	35	2	3	4	4	4	3	3	1	0	0	10	1	2	2	2	2	2	1	2
4099	1974	PLYM	SATE	12823	1	3	2	4	2	3	4	4	2	3	4	3	1	8	2	3	3	4	4	4	2	1	0	17	11	1	2	2	2	2	2	1	2
4100	1974	PLYM	DUST	21447	1	4	2	3	3	2	4	4	2	3	4	3	1	15	3	3	2	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
4101	1974	PONT	FIRE	38757	2	2	4	3	3	3	4	4	3	3	4	3	3	25	2	3	4	4	4	4	4	4	14	0	0	1	2	2	2	2	2	1	2
4102	1974	DATS	STAW	23376	1	3	3	2	3	3	4	4	4	3	4	3	1	15	3	2	4	4	4	3	2	2	0	22	0	1	2	2	2	2	2	1	2
4103	1974	TOYO	CORO	45723	1	3	5	1	4	4	4	4	2	3	4	3	3	18	3	2	4	4	4	4	5	4	0	30	25	1	2	2	2	2	2	1	2
4104	1974	TOYO	CORO	43193	2	1	3	4	3	2	4	4	2	3	4	3	1	10	2	3	4	4	4	4	4	1	25	30	23	1	2	2	2	2	2	1	2
4105	1974	VOLK	SEDA	15000	1	4	2	3	2	3	4	4	2	3	4	3	1	7	2	3	3	4	4	4	4	1	0	25	23	1	2	2	2	2	2	1	2
4106	1974	VOLK	SEDA	18409	1	4	2	3	3	2	4	4	3	3	2	3	1	15	2	2	3	4	4	4	5	2	20	0	0	1	2	2	2	2	2	1	2
3107	1973	AMC	STAW	44174	2	1	3	4	3	3	4	4	4	2	4	3	2	20	3	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
3108	1973	BUIC	CNTR	40712	1	4	2	4	4	2	3	3	4	2	4	3	2	24	3	2	4	4	4	3	2	3	15	0	0	1	2	2	2	2	2	1	2
3109	1973	BUIC	REGA	38534	1	4	3	3	2	3	4	4	4	2	4	3	1	6	4	3	2	4	4	4	3	2	0	15	0	1	2	2	2	2	2	1	2
3110	1973	CADI	DEVI	24740	2	2	2	3	2	3	4	4	2	3	4	3	2	13	2	3	4	4	4	4	4	2	0	13	10	1	2	2	2	2	2	1	2
3111	1973	CHEV	STAW	36036	1	4	2	4	1	4	4	4	3	3	4	3	1	10	3	3	4	4	4	4	2	2	22	0	0	1	2	2	2	2	2	1	2
3112	1973	CHEV	MONT	33501	1	4	2	3	2	3	4	4	3	3	4	3	1	5	1	4	4	4	4	4	3	1	11	0	0	1	2	2	2	2	2	1	2
3113	1973	CHEV	NOVA	24518	1	4	2	3	3	3	4	4	2	3	4	3	2	20	2	3	4	4	4	4	2	1	14	16	0	1	2	2	2	2	2	1	2
3114	1973	CHEV	IMPA	46298	1	4	3	3	3	3	4	4	4	2	4	3	3	25	4	3	4	4	4	4	2	3	0	15	19	1	2	2	2	2	2	1	2
3115	1973	CHEV	IMPA	85444	1	4	5	3	3	3	4	4	3	4	2	4	1	6	2	3	3	4	4	4	15	4	0	16	18	1	2	2	1	2	2	2	2
3116	1973	DODG	DART	20542	1	4	2	4	1	4	4	4	4	3	3	3	1	6	3	3	3	4	4	4	4	1	15	0	14	1	2	2	2	2	2	1	2
3117	1973	FORD	PINT	45808	1	4	3	3	3	3	4	4	3	3	4	3	3	25	2	3	4	4	4	4	4	4	17	0	0	1	2	2	2	2	2	1	2
3118	1973	FORD	TORI	17546	1	4	2	4	3	2	4	4	4	3	4	3	1	20	4	1	4	4	4	4	3	1	0	18	0	1	2	2	2	2	2	1	2
3119	1973	FORD	MAVE	38115	2	4	2	2	3	3	4	4	2	3	4	3	3	9	2	3	3	4	4	4	2	2	14	16	12	1	2	2	2	2	2	1	2
3120	1973	FORD	CUST	48777	1	4	4	3	3	3	3	3	4	3	4	3	3	25	3	2	4	4	4	4	2	2	0	17	0	1	2	2	2	2	2	1	2
3121	1973	FORD	LTD	58961	2	3	3	3	2	3	4	4	3	3	3	3	1	7	2	3	4	4	4	4	15	4	11	12	9	1	2	2	2	2	2	1	2
3122	1973	MERC	MONT	26427	1	3	2	3	3	3	4	4	4	2	4	3	1	10	3	3	4	4	4	4	4	2	0	0	12	1	2	2	2	2	2	1	2
3123	1973	OLDS	STAW	46263	1	4	4	3	3	3	4	4	2	3	4	3	2	5	3	3	4	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
3124	1973	OLDS	CUTL	46442	1	4	3	2	3	3	4	4	2	3	4	3	1	18	2	4	4	4	4	4	4	4	12	0	0	1	2	2	2	2	2	1	2
3125	1973	PLYM	SATE	43663	2	4	3	3	3	4	4	4	2	3	4	3	2	17	3	2	3	4	4	4	6	4	16	0	0	1	2	2	2	2	2	1	2
3126	1973	PLYM	VALI	47430	1	4	3	4	2	3	4	4	3	3	2	3	1	7	2	3	4	4	4	4	10	3	0	0	13	1	2	2	2	2	2	1	2
3127	1973	PONT	CATA	46222	1	4	4	3	2	4	4	4	3	3	3	3	1	20	2	3	4	4	4	4	2	1	0	0	0	2	2	2	2	1	2	2	2
3128	1973	PONT	STAW	38789	1	4	3	4	2	3	4	4	4	3	4	2	1	10	2	3	3	4	4	3	2	2	0	12	8	1	2	2	2	2	2	1	2
3129	1973	DATS	240Z	30103	1	4	2	3	3	2	4	4	3	3	4	3	3	25	1	4	4	4	4	4	2	2	0	28	19	1	2	2	2	2	2	1	2
3130	1973	OPEL	MANT	25771	1	4	2	2	3	3	4	4	2	3	4	3	3	13	2	3	4	4	4	4	2	4	0	29	22	1	2	2	2	2	2	1	2
3131	1973	TOYO	CORO	17814	1	4	2	4	3	3	4	4	3	3	4	3	1	15	2	3	4	4	4	4	2	2	0	0	23	1	2	2	2	2	2	1	2
3132	1973	VOLK	STAW	48699	1	4	3	3	3	3	3	3	3	3	4	3	1	12	4	1	4	4	4	4	10	4	22	25	20	1	2	2	2	2	2	1	2
3133	1973	VOLK	SEDA	39048	1	4	3	2	3	3	4	4	4	1	4	4	3	45	2	3	4	4	4	4	2	4	0	30	26	1	2	2	2	2	2	1	2
2134	1972	AMC	GREM	54034	2	4	3	3	2	3	4	4	4	3	4	3	2	20	2	3	4	4	4	4	5	4	0	20	14	1	2	2	2	2	2	1	2
2135	1972	BUIC	STAW	65861	1	4	4	2	3	3	4	4	3	3	4	3	3	20	3	3	4	4	4	4	2	2	0	16	11	1	2	2	2	2	2	1	2
2136	1972	CADI	DEVI	57774	2	4	3	4	2	3	4	4	4	2	4	3	2	8	4	3	3	4	4	3	2	1	11	12	11	1	2	2	2	2	2	1	2
2137	1972	CHEV	STAW	80388	2	1	4	3	3	3	2	2	3	3	4	3	3	25	2	3	3	3	4	4	4	4	22	0	0	1	1	2	2	2	2	2	1
2138	1972	CHEV	MALI	15232	1	4	1	3	2	4	4	4	3	3	4	3	3	6	4	3	4	4	4	4	1	1	0	0	13	1	2	2	2	2	2	1	2
2139	1972	CHEV	ELCA	61302	1	4	3	3	2	3	4	4	4	3	2	4	3	30	1	3	4	4	4	4	4	4	0	0	15	1	2	2	2	2	2	1	2
2140	1972	CHEV	NOVA	25439	1	4	2	3	2	3	3	4	2	3	4	4	3	12	1	4	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
2141	1972	CHEV	IMPA	43908	1	4	3	4	2	3	4	4	3	3	4	3	2	5	1	4	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
2142	1972	CHEV	IMPA	25076	1	4	2	3	2	3	4	4	3	3	4	3	1	6	3	3	4	4	4	4	4	1	0	15	0	1	2	2	2	2	2	1	2
2143	1972	DODG	CHAR	39488	1	4	2	4	2	3	4	4	2	4	4	3	3	30	4	3	3	4	4	4	3	2	0	13	0	1	2	2	2	2	2	1	2
2144	1972	FORD	PINT	38055	1	4	2	4	4	2	3	3	4	1	4	4	3	40	4	3	2	4	4	3	2	3	19	23	0	1	2	2	2	2	2	1	2
2145	1972	FORD	TORI	55322	1	4	3	3	3	3	4	4	3	3	4	3	2	30	3	3	2	4	4	4	2	2	0	17	12	1	2	2	2	2	2	1	2
2146	1972	FORD	MAVE	44763	1	4	3	3	3	3	4	4	3	2	4	3	3	15	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	1	2	2	2
2147	1972	FORD	GALA	64475	2	4	3	3	2	4	4	4	2	3	4	3	1	5	4	1	4	4	4	4	2	2	16	0	0	1	1	2	2	2	2	1	2
2148	1972	FORD	STAW	61732	1	4	4	2	3	3	3	4	4	3	4	2	3	25	3	2	3	4	4	4	4	3	0	15	10	1	2	2	2	2	2	1	2
2149	1972	MERC	MONG	20196	1	4	2	4	3	2	4	4	4	2	4	3	3	20	3	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	1	2	2
2150	1972	OLDS	CUTL	33815	1	4	2	4	2	3	4	4	4	2	4	3	1	17	2	3	4	4	4	4	4	2	18	0	0	1	2	2	2	2	2	1	2
2151	1972	PLYM	DUST	53266	1	4	4	3	3	3	3	3	3	3	3	3	1	17	2	3	4	4	4	4	5	1	0	0	0	1	2	2	2	2	2	1	2
2152	1972	PLYM	FRY3	48666	1	4	2	4	2	3	4	4	3	3	3	3	2	10	3	2	4	4	4	4	4	2	12	0	12	1	2	2	2	2	2	1	2
2153	1972	PONT	CATA	58251	1	4	3	4	3	2	4	4	4	2	4	3	3	25	2	3	4	4	4	4	1	2	0	18	0	1	2	2	2	2	2	1	2
2154	1972	PONT	VENT	44014	2	4	2	4	4	1	4	4	3	3	4	3	2	6	1	3	4	4	4	4	4	1	12	0	12	1	2	2	2	2	2	1	2
2155	1972	DATS	510	38351	1	4	3	3	2	3	3	4	4	2	4	3	3	20	3	2	4	4	4	4	5	1	0	25	19	1	2	2	2	2	2	1	2
2156	1972	TOYO	CORO	54030	1	4	3	4	3	3	4	4	2	3	4	3	1	32	4	3	2	4	4	4	2	1	0	35	0	1	2	1	2	2	2	2	2
2157	1972	VOLK	SEDA	36683	1	4	2	3	3	2	4	4	3	4	3	3	3	20	1	3	4	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
2158	1972	VOLK	SEDA	31918	1	4	2	4	3	3	4	4	4	3	3	3	2	30	1	3	4	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
1159	1971	BUIC	STAW	72253	1	4	4	2	3	3	4	4	3	3	3	3	1	19	3	3	4	4	4	4	2	4	0	14	12	1	2	2	1	2	2	2	2
1160	1971	BUIC	RIVI	67954	2	1	3	3	2	3	4	4	3	3	3	3	1	10	3	3	3	4	4	3	6	2	0	0	0	1	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

DENVER

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	GA	HD	CD	H	U	A	B	C	D	E	F
1161	1971	CHEV	VEGA	66566	1	4	3	3	3	3	3	3	3	3	4	3	1	24	3	2	4	4	4	4	4	3	18	0	0	1	2	2	2	2	2	1	2
1162	1971	CHEV	NOVA	38595	2	4	1	4	3	2	4	4	4	3	4	3	3	40	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
1163	1971	CHEV	NOVA	52481	2	4	2	3	2	3	4	4	2	3	4	4	1	17	2	3	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
1164	1971	CHEV	IMPA	39440	1	4	2	3	2	3	4	4	4	2	4	3	2	25	3	2	3	4	4	4	2	3	0	0	14	1	2	2	2	2	2	1	2
1165	1971	CHEV	IMPA	55982	1	4	3	3	2	3	3	4	4	3	4	3	1	6	4	3	2	4	4	4	2	2	13	0	0	1	2	2	2	2	2	1	2
1166	1971	CHRY	NEWP	27015	1	4	2	3	4	2	4	4	4	3	4	3	1	10	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
1167	1971	DODG	STAW	73873	1	4	3	3	2	3	3	3	2	3	4	3	1	3	2	3	4	3	3	3	4	4	12	0	0	1	2	2	1	2	2	2	2
1168	1971	FORD	PINT	50991	1	4	2	2	3	3	4	4	2	3	4	4	1	4	2	3	4	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
1169	1971	FORD	TORI	43420	2	4	3	3	2	3	4	4	3	3	4	3	1	25	3	2	4	4	4	4	3	1	0	0	13	1	2	2	2	2	2	1	2
1170	1971	FORD	MAVE	49000	1	4	4	3	3	3	3	3	3	3	4	3	1	15	3	3	4	4	4	4	3	3	0	0	0	1	2	2	2	2	2	1	2
1171	1971	FORD	GALA	28320	1	4	1	3	3	3	4	4	3	3	4	4	1	8	3	3	4	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
1172	1971	FORD	LTD	51387	1	4	3	3	2	3	4	4	3	4	2	4	2	12	1	4	4	4	4	3	9	1	0	0	0	1	2	2	1	2	2	2	2
1173	1971	MERC	COUG	72548	2	4	3	3	2	3	4	4	2	3	4	3	1	4	3	2	4	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
1174	1971	OLDS	NNTY	87777	1	4	4	3	3	4	4	4	4	3	4	3	1	15	2	3	4	4	4	4	2	3	15	0	0	1	2	2	2	2	2	1	2
1175	1971	PLYM	SATE	55314	1	4	3	4	3	3	4	4	4	3	4	3	1	8	4	4	1	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
1176	1971	PONT	STAW	72342	2	4	4	3	2	3	4	4	3	3	4	3	1	5	4	3	2	4	4	4	4	2	0	14	0	1	2	2	2	2	2	1	2
1177	1971	PONT	LEMA	61740	1	4	3	2	3	3	4	4	2	3	4	3	3	35	2	3	3	4	4	4	4	4	0	17	14	1	2	2	2	2	2	1	2
1178	1971	DATS	STAW	96938	1	4	3	4	2	3	4	4	3	3	4	3	3	7	3	3	4	4	4	4	4	4	20	0	0	1	2	2	2	2	2	1	2
1179	1971	TOYO	CORO	71847	2	1	4	2	3	3	4	4	3	3	4	3	3	27	3	3	4	4	4	4	2	4	25	25	0	1	2	2	2	2	2	1	2
1180	1971	VOLK	STAW	57016	1	4	2	3	3	3	4	4	2	3	4	3	3	15	3	3	2	4	4	3	6	2	17	0	0	1	2	2	2	2	2	1	2
0181	1970	AMC	HORN	58255	1	4	2	3	3	3	3	4	3	3	4	3	3	20	2	3	4	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
0182	1970	BUIC	GRAN	74541	1	4	3	4	4	4	2	3	4	3	4	2	1	15	3	3	4	4	4	4	0	3	17	14	12	1	2	2	1	2	2	2	2
0183	1970	CHEV	CHEL	71413	2	4	3	3	3	3	4	4	3	4	4	3	2	15	3	3	4	4	4	3	6	3	0	19	0	1	2	2	2	2	2	1	2
0184	1970	CHEV	CHEL	63809	1	4	2	2	3	3	4	4	1	4	4	4	3	5	3	3	2	4	4	4	3	1	12	0	0	1	2	2	2	2	1	2	2
0185	1970	CHEV	MONT	84204	1	4	3	3	3	3	3	3	3	3	3	3	2	13	1	4	4	4	4	3	2	4	15	18	13	1	2	2	2	2	2	1	2
0186	1970	CHEV	IMPA	63978	2	3	2	4	2	3	4	4	2	3	4	3	2	7	3	3	4	4	4	4	3	2	14	0	0	1	2	2	2	2	2	1	2
0187	1970	CHEV	STAW	59543	2	2	2	3	2	3	3	3	4	2	4	3	1	20	3	3	2	4	4	3	2	2	13	0	0	1	2	2	2	2	2	1	2
0188	1970	DODG	CHAL	83919	1	4	4	3	2	4	4	4	3	3	4	4	3	20	1	4	4	4	4	3	6	4	19	0	0	1	2	2	2	2	2	1	2
0189	1970	FORD	MUST	95828	2	4	3	3	4	4	3	3	3	3	4	3	1	6	2	3	4	4	4	4	4	4	0	0	0	1	2	2	2	2	1	2	2
0190	1970	FORD	LTD	125576	1	4	3	3	3	3	4	4	3	3	4	3	3	25	3	3	4	4	4	3	4	4	0	17	11	1	2	2	2	2	2	1	2
0191	1970	FORD	GALA	111430	2	4	4	2	3	4	4	4	3	3	3	3	3	18	3	3	3	4	4	4	7	4	15	0	0	1	2	2	2	2	2	1	2
0192	1970	FORD	TORI	54689	1	4	3	3	3	3	4	4	4	3	4	3	1	9	3	3	4	4	4	4	2	1	0	20	14	1	2	2	2	2	2	1	2
0193	1970	MERC	MONR	76955	2	4	3	4	2	3	4	4	3	3	4	3	2	30	3	2	4	4	4	4	4	2	14	0	0	1	3	2	2	2	2	1	2
0194	1970	OLDS	CUTL	62149	2	4	2	3	3	3	3	3	3	3	4	3	1	4	2	3	4	4	4	4	4	2	16	20	16	1	2	2	2	2	2	1	2
0195	1970	PLYM	FRY2	49365	1	4	2	3	3	3	4	4	4	3	4	3	3	10	4	1	4	4	4	4	1	2	13	0	0	1	2	2	2	2	2	1	2
0196	1970	PLYM	FRY2	105000	1	4	5	3	4	4	2	4	4	4	2	3	1	8	1	4	4	3	4	4	3	4	0	17	0	1	2	2	2	2	2	1	2
0197	1970	PONT	LEMA	72397	1	4	3	3	3	3	3	4	4	3	4	3	3	20	4	4	1	4	4	3	4	3	17	20	15	1	2	2	2	2	2	1	2
0198	1970	DATS	STAW	34430	1	4	2	4	1	4	4	4	3	3	4	3	3	16	1	4	4	4	4	3	3	1	25	30	16	1	2	2	2	2	2	1	2
0199	1970	TOYO	CORO	84360	1	4	3	3	3	3	3	3	3	3	3	3	3	12	2	3	4	4	4	4	4	4	20	0	0	1	2	2	1	1	1	2	2
0200	1970	VOLK	SEDA	35306	2	3	2	4	2	3	4	4	3	3	4	3	2	12	1	4	4	4	4	4	3	2	25	0	0	1	2	2	2	2	2	1	2

APPENDIX B

LISTING OF TEST VEHICLE USE DATA

CHICAGO

																				VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
7001	1976	CHEV	C10	8918	2	1	2	4	4	1	4	4	1	4	4	4	2	35	4	1	4	4	4	4	2	2	13	0	13	1	2	2	2	2	2	1	2
7002	1976	CHEV	VAN	9391	1	1	3	4	2	3	4	4	4	3	4	2	1	4	2	3	3	4	4	4	4	2	15	0	0	4	2	2	2	2	2	1	2
7003	1976	CHEV	C10	10049	1	2	3	3	4	2	4	4	2	3	4	3	1	6	2	3	4	3	4	4	6	4	0	0	0	5	2	2	2	2	2	1	2
7004	1976	CHEV	C10	6261	1	2	2	3	2	3	4	4	2	3	4	4	2	15	2	3	4	4	4	4	2	1	15	13	11	3	2	2	2	2	2	1	2
7005	1976	DODG	VAN	4707	1	2	3	3	2	3	4	4	4	2	4	3	1	35	3	2	4	4	4	4	2	2	12	13	13	3	2	2	2	2	2	1	2
7006	1976	DODG	VAN	6042	1	2	4	4	2	3	4	4	4	4	1	4	1	1	1	4	4	4	4	4	30	1	0	0	12	1	5	2	2	2	2	1	2
7007	1976	FORD	F100	75	1	2	1	1	4	4	4	4	4	4	1	4	1	10	1	4	4	4	4	4	1	1	0	0	0	1	2	2	2	2	2	1	2
7008	1976	FORD	F100	10995	1	2	2	4	2	3	4	4	2	3	4	4	1	15	3	2	4	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
7009	1976	FORD	F100	57	1	2	3	1	4	4	4	4	4	4	1	4	1	2	1	4	4	4	4	4	1	1	0	0	0	1	2	2	2	2	2	1	2
7010	1976	FORD	COUR	101	1	2	3	4	1	4	4	4	4	4	1	4	1	2	1	4	4	4	4	4	1	1	0	0	0	1	2	2	2	2	2	1	2
7011	1975	CHEV	C10	29029	1	3	4	3	3	3	2	4	3	3	3	3	1	8	1	4	4	4	4	4	5	4	0	0	0	3	2	2	2	2	2	1	2
7012	1975	CHEV	G10	13378	2	2	3	4	4	4	4	1	1	4	4	3	1	10	2	3	4	4	4	4	6	3	13	20	6	4	2	2	2	2	2	1	2
7013	1975	CHEV	VAN	23130	1	3	3	4	4	4	2	3	4	3	4	1	1	16	3	3	3	4	2	4	2	1	10	13	0	3	2	2	2	2	2	1	2
7014	1975	DODG	B100	19890	1	3	2	3	3	4	3	3	3	4	4	3	1	8	3	2	4	4	4	4	6	4	0	0	0	1	2	2	2	2	2	1	2
7015	1975	FORD	F100	21238	1	3	4	3	3	3	4	3	1	3	4	3	1	40	1	4	3	3	3	4	6	2	15	17	12	4	2	2	2	2	2	1	2
7016	1975	FORD	F100	25849	1	3	3	3	3	3	3	3	3	3	4	3	1	40	4	1	4	4	4	4	2	4	17	0	0	1	2	2	2	2	2	1	2
7017	1975	FORD	F100	2045	1	3	2	3	3	3	3	3	4	2	4	3	3	30	4	1	4	4	4	3	2	2	10	0	0	3	2	2	2	2	2	1	2
6018	1976	AMC	HORN	12764	1	2	5	2	3	3	4	4	3	4	1	4	3	15	1	3	3	4	4	4	15	1	17	0	0	1	2	2	2	2	2	1	2
6019	1976	BUIC	REGA	16574	1	2	4	3	2	3	4	4	2	3	4	4	1	7	3	2	4	4	4	4	3	4	0	0	0	1	2	2	2	2	2	1	2
6020	1976	BUIC	STAW	8976	1	1	6	3	4	1	3	4	4	4	1	4	3	40	1	4	4	3	4	4	6	4	13	15	10	1	2	2	2	2	2	1	2
6021	1976	CADI	DEVI	2063	1	1	3	4	2	3	4	4	4	4	3	1	1	6	3	3	2	4	4	4	4	2	12	14	10	3	2	2	2	2	2	1	2
6022	1976	CHEV	IMPA	8020	1	2	4	1	4	4	4	4	1	3	4	3	1	8	1	3	4	4	4	4	4	1	11	14	10	3	1	2	2	2	2	1	2
6023	1976	CHEV	MONT	570	1	1	1	3	1	4	4	4	1	3	4	3	1	12	1	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
6024	1976	CHEV	VEGA	5815	1	2	2	4	4	4	3	2	3	3	4	4	1	12	3	2	4	4	4	4	3	3	14	20	14	3	2	2	2	2	2	1	2
6025	1976	CHEV	STAW	10253	1	2	3	3	2	3	3	4	3	3	2	3	1	6	1	3	4	3	4	4	5	1	10	14	9	4	2	2	2	2	2	1	2
6026	1976	CHEV	MALI	2906	1	1	3	3	3	3	4	4	4	4	1	3	2	10	1	3	4	4	4	4	10	2	0	0	0	3	2	2	2	2	2	1	2
6027	1976	CHEV	CAMA	7229	1	2	3	4	2	3	4	4	2	3	3	4	2	15	3	4	4	4	4	4	6	4	13	15	12	1	2	2	2	2	2	1	2
6028	1976	CHEV	CHET	8763	1	2	4	4	2	3	4	4	2	4	4	4	1	9	2	4	4	4	4	4	4	2	0	0	25	3	2	2	2	2	2	1	2
6029	1976	DODG	DART	3728	1	2	2	3	3	2	4	4	4	2	4	3	3	35	3	3	3	4	4	4	2	1	16	17	15	3	2	2	2	2	2	1	2
6030	1976	DODG	DART	8129	1	2	3	3	1	3	4	4	1	3	3	4	1	6	1	3	3	4	4	4	8	2	18	21	19	3	2	2	2	2	2	1	2
6031	1976	FORD	MUST	7964	1	2	3	4	3	4	2	3	2	4	4	3	1	5	2	4	4	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
6032	1976	FORD	LTD	8938	1	2	2	4	4	4	2	3	4	2	4	3	1	12	3	2	4	4	4	4	2	1	10	11	10	2	2	2	2	2	2	1	2
6033	1976	FORD	ELIT	2665	1	2	2	3	1	3	4	4	4	2	3	3	1	3	1	3	4	4	4	4	6	1	16	19	13	1	2	2	2	2	2	1	2
6034	1976	FORD	MAVE	1209	1	1	2	3	3	3	4	4	1	3	3	4	1	5	3	1	3	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
6035	1976	FORD	GRAN	3767	1	2	1	4	1	3	4	4	4	3	4	1	1	2	3	1	4	4	4	4	2	1	12	0	0	1	2	2	2	2	2	1	2
6036	1976	FORD	STAW	5720	1	2	3	4	3	2	3	3	3	3	4	2	2	20	4	4	2	4	4	4	4	1	0	15	11	1	2	2	2	2	2	1	2
6037	1976	MERC	MARQ	3857	1	2	3	4	2	3	4	4	2	4	3	3	1	10	2	4	3	4	4	4	10	1	0	0	0	1	2	2	2	2	2	1	2
6038	1976	MERC	MONA	2303	1	2	1	3	3	3	4	4	4	1	4	4	1	10	1	4	4	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
6039	1976	OLDS	CUTL	10793	1	2	3	3	2	3	4	4	3	4	2	4	1	20	1	3	4	4	4	4	10	2	11	14	9	3	2	2	2	2	2	1	2
6040	1976	OLDS	CUTL	10811	1	2	3	3	2	3	4	4	2	3	4	3	1	5	1	3	4	4	4	4	5	1	12	17	11	1	2	2	2	2	2	1	2
6041	1976	OLDS	ENTI	9372	1	2	2	4	1	3	4	4	2	4	4	4	1	9	3	1	4	4	4	4	2	2	0	15	12	1	2	2	2	2	2	1	2
6042	1976	PLYM	VALI	4555	1	2	2	4	2	3	4	4	4	2	4	4	1	8	4	2	4	4	4	4	4	1	18	27	18	1	2	2	2	2	2	1	2
6043	1976	PLYM	FURI	4351	1	2	3	2	4	3	4	4	2	3	4	3	1	14	2	3	4	4	4	4	2	1	17	0	0	3	2	2	2	2	2	1	2
6044	1976	PONT	GRNP	7741	1	2	2	3	2	3	3	3	1	3	3	3	1	15	2	3	3	3	3	3	10	3	0	0	0	3	1	2	2	2	2	1	2
6045	1976	PONT	TRAN	8715	1	2	2	3	2	3	3	3	4	3	4	2	1	4	2	3	3	4	4	4	2	4	15	15	14	4	2	2	1	2	2	2	2
6046	1975	DATS	B210	18512	1	2	5	4	3	3	2	4	1	3	4	3	3	35	2	3	3	4	4	4	6	4	30	33	28	1	2	2	2	2	2	1	2
6047	1976	DATS	710	5383	1	2	2	4	2	4	4	4	2	3	4	3	1	5	2	3	4	4	4	4	4	1	20	24	15	1	2	2	2	2	2	1	2
6048	1976	TOYO	CORO	12555	1	2	4	2	3	3	4	4	2	4	4	3	2	35	2	3	4	4	4	4	5	4	25	0	0	1	2	2	2	2	2	1	2
6049	1976	TOYO	STAW	11971	1	2	3	2	4	3	3	3	2	3	4	4	1	8	2	3	3	4	4	4	4	4	21	22	0	1	2	2	2	2	2	1	2
6050	1976	VOLK	RABB	4242	1	2	1	3	2	3	3	3	3	3	4	3	3	10	3	2	4	4	4	4	2	4	25	0	0	1	2	2	2	2	2	1	2
6051	1976	VOLK	RABB	5662	1	2	4	4	3	2	4	4	2	2	4	4	1	4	2	4	3	4	4	4	6	2	25	31	21	1	2	2	2	2	2	1	2
6201	1976	AMC	STAW	7130	1	2	3	4	4	1	4	4	4	2	4	3	1	3	4	4	1	4	4	4	2	1	0	11	0	1	2	2	2	2	2	1	2
6202	1976	AMC	PACE	3768	1	2	3	3	4	4	1	3	2	3	4	3	1	20	3	1	3	4	4	4	4	2	15	17	13	1	2	2	2	2	2	1	2
6203	1976	AMC	MATA	7043	1	2	2	3	2	3	3	4	2	3	4	4	1	15	3	4	1	4	4	4	4	2	11	13	11	1	2	2	2	1	2	2	2
6204	1976	AMC	GREM	14890	1	2	3	3	2	4	4	4	4	2	4	3	1	7	3	2	4	4	4	4	2	3	18	21	16	1	2	2	2	2	2	1	2
6205	1976	BUIC	CNTY	2405	1	1	1	3	4	2	4	4	1	3	4	4	1	12	1	3	4	4	4	4	2	1	18	0	0	1	2	2	2	2	2	1	2
6206	1976	BUIC	LESA	13106	1	2	5	2	3	3	4	4	1	3	3	3	2	12	1	3	4	4	4	4	20	3	0	0	0	3	2	2	2	2	2	1	2
6207	1976	BUIC	CNTY	3469	1	2	2	4	2	3	4	4	2	3	4	4	1	3	2	3	4	4	4	4	2	1	11	17	11	1	2	2	2	2	2	1	2
6208	1976	BUIC	ELEC	3111	1	2	2	4	2	3	3	4	3	2	4	4	1	5	3	2	4	4	4	4	4	1	13	16	12	1	2	2	2	2	2	1	2
6209	1976	BUIC	REGA	9421	1	2	3	3	4	2	4	4	4	2	4	3	1	10	3	2	4	4	4	4	3	2	0	0	0	1	2	2	2	2	2	1	2
6210	1976	BUIC	SKYH	1647	1	1	3	4	2	3	3	4	2	3	4	4	1	14	2	3	4	4	4	4	3	3	18	20	17	1	2	2	2	2	2	1	2
6211	1976	BUIC	SKYL	1514	1	1	4	3	4	2	3	4	1	3	4	3	1	12	4	1	4	4	4	4	4	1	16	19	14	1	2	2	2	2	2	1	2
6212	1976	CADI	SEVI	12316	2	2	3	4	2	3	4	4	2	4	4	3	1	5	2	3	4	4	4	4	4	1	14	16	11	1	2	2	2	2	2	1	2
6213	1976	CADI	DEVI	4280	1	2	2	3	2	3	4	4	4	3	4	2	1	5	4	2	4	4	4	4	2	1	12	14	8	4	2	2	2	2	2	1	2
6214	1976	CADI	DEVI	4849	1	2	2	4	4	1	4	4	3	2	4	3	1	30	3	2	4	4	4	4	3	3	0	0	11	1	2	2	2	2	2	1	2
6215	1976	CADI	DEVI	10413	1	2	5	3	3	2	4	4	2	3	4	3	2	20	2	3	4	4	4	4	4	2	12	14	11	4	2	2	2	2	2	1	2
6216	1976	CHEV	CHET	15152	1	2	4	3	1	3	4	4	1	3	4	3	1	5	1	3	4	4	4	4	2	1	28	0	0	3	2	2	2	2	2	1	2
6217	1976	CHEV	IMPA	3521	1	2	2	3	2	3	4	4	2	3	4	3	2	8	2	4	4	4	4	4	4	1	14	15	13	1	2	2	2	2	2	1	2
6218	1976	CHEV	MONT	6719	1	2	3	3	1	4	4	4	4	3	4	1	2	10	1	4	4	4	4	4	4	3	17	22	16	4	2	1	2	2	2	2	2
6219	1976	CHEV	IMPA	20913	1	2	5	3	3	4	4	4	4	4	1	4	1	10	1	4	4	4	4	4	18	3	12	14	11	2	2	2	2	2	2	1	2
6220	1976	CHEV	NOVA	5365	1	2	2	3	3	3	4	4	2	3	4	3	1	15	2	3	4	4	4	4	4	3	20	25	18	1	2	2	2	2	2	1	2
6221	1976	CHEV	IMPA	6406	1	2	2	4	3	2	4	4	4	2	4	3	1	10	3	2	4	4	4	4	3	1	14	14	12	1	2	2	2	2	2	1	2
6222	1976	CHEV	VETT	6239	1	2	3	4	3	2	3	4	2	4	4	4	1	3	1	3	4	4	4	4	6	3	13	13	13	4	2	2	2	2	2	1	2
6223	1976	CHEV	STAW	12201	1	2	3	4	4	1	4	4	4	2	4	3	1	22	4	4	1	4	4	3	4	4	0	0	0	1	2	2	2	2	2	1	2
6224	1976	CHEV	MONT	4343	1	2	3	3	2	3	4	3	4	2	4	3	2	34	4	3	3	4	3	4	2	2	14	15	13	3	2	1	2	2	2	2	2
6225	1976	CHEV	CAPR	9022	1	2	4	4	4	3	2	3	2	4	3	4	2	20	2	3	4	4	4	4	6	1	15	13	12	1	2	2	2	2	2	1	2
6226	1976	CHEV	CAPR	12570	1	2	3	3	3	3	4	4	2	4	4	3	1	2	2	3	4	4	4	4	3	1	12	14	11	1	2	2	2	2	2	1	2
6227	1976	CHEV	MALI	9450	1	2	3	4	3	3	2	4	4	3	2	4	1	12	3	2	4	4	4	4	4	1	12	15	9	1	2	2	2	2	2	1	2
6228	1976	CHEV	VEGA	7326	1	2	3	3	2	3	4	4	3	3	4	2	1	25	3	2	4	4	4	4	2	2	20	32	15	1	2	2	1	2	2	2	2
6229	1976	CHEV	MONZ	13757	1	2	5	3	3	3	3	3	3	3	4	3	1	25	1	4	4	3	4	4	4	4	20	24	15	5	1	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

CHICAGO

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	INT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
6230	1976	CHEV	MONT	3706	1	2	3	3	4	3	4	4	2	3	4	4	1	9	3	4	4	4	4	4	6	1	0	0	11	2	2	2	2	2	2	1	2
6231	1976	CHEV	MALI	12205	1	2	4	4	4	4	1	4	3	3	3	3	1	23	1	4	4	4	4	4	2	1	17	0	0	1	2	2	2	2	2	1	2
6232	1976	CHEV	MALI	14823	1	2	4	3	2	3	4	4	3	3	3	3	1	15	4	3	1	4	4	4	2	2	0	0	0	3	2	2	2	2	2	1	2
6233	1976	CHEV	MALI	8600	1	2	3	3	4	4	3	2	2	3	4	3	1	11	2	1	4	4	4	4	4	3	0	0	0	1	1	2	2	2	2	1	2
6234	1976	CHEV	NOVA	8219	1	2	3	3	4	1	4	4	4	1	4	3	3	30	2	3	4	4	4	4	2	3	0	0	0	1	2	2	2	2	2	1	2
6235	1976	CHEV	STAW	9735	1	2	3	1	3	4	4	4	1	3	4	3	1	12	1	4	4	4	4	4	2	1	0	0	0	2	2	2	2	2	2	1	2
6236	1976	CHEV	MONT	7228	1	2	3	4	3	3	3	1	1	3	4	3	1	14	1	3	3	4	4	4	4	1	12	0	0	4	1	2	2	2	2	1	2
6237	1976	CHEV	MALI	1146	1	1	3	3	2	3	4	4	3	2	4	4	1	12	2	3	3	4	4	4	4	1	0	0	0	3	2	2	2	2	2	1	2
6238	1976	CHEV	VEGA	2925	1	2	2	4	2	3	4	4	2	3	4	4	1	10	2	4	4	4	4	4	2	1	0	0	0	3	2	2	2	2	2	1	2
6239	1976	CHEV	NOVA	18269	1	2	5	1	3	4	4	4	4	4	1	4	2	7	1	4	4	4	4	4	17	1	19	0	0	2	2	2	2	2	2	1	2
6240	1976	CHRY	NEWP	3520	1	2	2	3	2	4	4	4	2	4	3	3	1	6	3	4	4	4	4	4	1	1	12	15	11	4	2	2	2	2	2	1	2
6241	1976	CHRY	NEWP	5018	1	2	2	2	3	4	4	4	2	4	4	3	1	8	3	4	2	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
6242	1976	DODG	CHAR	11888	1	2	4	4	3	2	3	4	4	3	4	3	1	10	2	3	4	4	4	4	2	1	15	0	0	1	2	2	2	2	2	1	2
6243	1976	DODG	STAW	10901	1	2	3	3	4	2	4	4	2	3	4	3	1	5	2	4	4	4	4	4	4	2	0	16	0	1	2	2	2	2	2	1	2
6244	1976	DODG	DART	7697	1	2	3	3	4	2	4	4	2	3	4	3	3	30	2	4	4	4	4	4	4	3	17	21	14	1	2	2	2	2	2	1	2
6245	1976	DODG	MONA	7624	2	1	4	4	2	3	4	4	4	2	4	3	1	15	3	2	4	4	4	4	3	1	15	15	0	1	2	2	2	2	2	1	2
6246	1976	DODG	CORO	4664	1	2	2	4	2	3	4	4	4	2	4	3	1	8	3	2	4	4	4	4	4	1	13	16	10	1	2	2	2	2	2	1	2
6247	1976	DODG	ASPE	4431	1	2	3	4	2	3	4	3	4	3	2	3	1	2	4	4	4	4	4	4	10	1	18	20	16	1	2	2	2	2	2	1	2
6248	1976	FORD	STAW	4085	1	2	2	3	2	3	4	4	3	2	4	3	1	20	4	4	2	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
6249	1976	FORD	ELIT	9003	1	2	3	4	2	3	4	4	2	3	4	3	1	15	2	4	4	4	4	4	4	1	15	20	12	1	2	2	2	2	2	1	2
6250	1976	FORD	GRAN	4230	1	2	2	4	2	3	4	4	2	3	4	4	2	25	3	2	4	4	4	4	2	3	18	0	18	1	2	2	2	2	2	1	2
6251	1976	FORD	LTD	3692	1	2	2	3	4	3	4	4	4	2	4	3	1	25	2	3	4	4	4	4	2	1	14	16	13	1	2	2	2	2	2	1	2
6252	1976	FORD	STAW	5273	1	2	3	3	2	3	4	4	4	2	4	3	2	15	3	4	2	4	4	4	1	1	23	0	23	1	2	2	2	2	2	1	2
6253	1976	FORD	GRAN	10159	1	2	3	3	2	3	3	3	3	3	3	4	2	7	1	1	4	4	4	4	3	2	18	20	16	3	2	2	2	2	2	1	2
6254	1976	FORD	GRAN	7598	1	2	5	2	3	3	4	4	2	4	4	3	2	15	1	3	4	4	4	4	6	1	15	15	13	1	2	2	2	2	2	1	2
6255	1976	FORD	MUST	11506	1	2	4	3	2	4	4	4	3	3	4	2	1	20	2	3	3	4	4	4	6	1	20	26	18	1	2	2	2	2	2	1	2
6256	1976	FORD	STAW	1445	1	1	3	3	1	4	4	4	1	3	4	3	1	10	1	3	4	4	4	4	4	2	15	17	18	1	2	2	2	2	2	1	2
6257	1976	FORD	MUST	1689	1	1	2	3	2	3	4	4	2	3	3	3	1	5	2	3	4	4	4	4	2	1	15	17	13	1	2	2	2	2	2	1	2
6258	1976	FORD	GRAN	3138	1	2	1	3	3	4	3	4	1	3	4	4	1	3	1	3	4	4	4	4	2	1	17	0	0	1	2	2	2	2	2	1	2
6259	1976	FORD	PINT	3535	1	2	2	3	4	2	3	4	4	2	4	4	1	8	2	3	4	4	4	4	2	4	0	26	18	1	2	2	2	2	2	1	2
6260	1976	FORD	STAW	1742	1	1	2	4	2	3	4	4	4	2	4	3	1	10	4	3	2	4	4	4	3	1	12	14	12	1	2	2	2	2	2	1	2
6261	1976	FORD	ELIT	5538	1	2	2	3	2	3	4	4	4	2	4	3	2	10	3	2	4	4	4	4	15	1	14	16	12	1	2	2	2	2	2	1	2
6262	1976	FORD	THND	4894	1	2	3	2	3	4	4	3	3	4	2	3	1	5	2	3	4	4	4	4	2	1	12	13	10	1	2	2	2	2	2	1	2
6263	1976	FORD	MUST	3707	1	1	3	3	4	2	4	3	2	3	4	4	1	10	2	3	4	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
6264	1976	FORD	STAW	4104	1	1	4	1	3	3	4	4	1	3	4	3	1	2	4	4	2	4	4	3	4	1	0	12	0	4	2	2	2	2	2	1	2
6265	1976	FORD	STAW	5437	1	2	3	3	2	3	4	4	4	3	4	3	3	40	4	4	1	4	3	4	2	4	0	15	0	1	2	2	2	2	2	1	2
6266	1976	FORD	GRAN	6799	1	2	5	3	2	3	4	4	4	4	2	3	1	30	2	4	4	4	4	4	15	4	0	0	0	1	2	2	2	2	2	1	2
6267	1976	FORD	MUST	10919	1	2	3	4	2	4	4	4	1	3	4	4	2	20	1	4	4	4	4	4	2	1	18	0	0	1	2	2	2	2	2	1	2
6268	1976	LINC	MRK4	4942	1	2	3	2	4	4	3	3	2	4	3	4	2	15	2	4	4	4	4	4	3	1	9	0	0	1	2	2	2	2	2	1	2
6269	1976	LINC	CONT	696	1	1	4	2	3	4	3	4	3	4	2	4	1	10	3	4	3	4	4	4	10	1	0	0	0	1	2	2	2	2	2	1	2
6270	1976	MERC	COUG	6299	1	2	4	4	4	2	4	4	2	3	4	3	2	30	2	3	4	4	4	4	5	3	0	0	0	1	2	2	2	2	2	1	2
6271	1976	MERC	MARQ	9191	1	2	2	2	4	4	3	4	2	4	4	3	1	12	2	4	4	4	4	4	2	1	14	16	10	4	2	2	2	2	2	1	2
6272	1976	MERC	MONT	13614	1	2	4	2	3	3	4	4	3	3	3	3	2	20	1	4	4	4	4	4	4	4	14	0	0	1	2	2	2	2	2	1	2
6273	1976	MERC	MARQ	4006	1	2	2	4	2	3	4	4	4	2	4	4	1	15	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
6274	1976	MERC	MONA	3249	1	2	3	3	4	2	3	4	4	3	4	2	1	5	3	3	4	4	4	4	8	1	16	16	15	1	2	2	2	2	2	1	2
6275	1976	OLDS	DELT	1099	1	1	2	4	2	3	4	4	4	2	4	3	1	8	3	3	4	4	4	4	4	1	11	0	11	1	2	2	2	2	2	1	2
6276	1976	OLDS	CUTL	10291	2	1	5	2	3	3	3	3	4	3	2	3	2	12	2	4	4	4	4	4	8	4	15	18	13	3	2	2	2	2	2	1	2
6277	1976	OLDS	OMEG	203	1	1	1	4	2	3	4	4	4	2	4	4	1	15	4	2	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
6278	1976	OLDS	CUTL	3251	1	2	2	3	2	3	4	4	4	2	4	3	1	10	3	3	4	4	4	4	5	1	0	0	13	1	2	2	2	2	2	1	2
6279	1976	OLDS	DELT	13927	1	2	4	2	3	4	3	3	4	3	4	2	1	12	3	4	4	4	4	4	2	1	12	14	10	1	1	2	2	2	2	1	2
6280	1976	OLDS	CUTL	2607	1	2	3	2	3	4	4	4	2	3	4	3	1	15	2	4	4	4	4	4	4	4	13	0	0	1	2	2	2	2	2	1	2
6281	1976	OLDS	CUTL	6218	1	2	3	4	2	3	4	4	4	3	4	4	1	18	3	2	4	4	4	4	2	1	13	18	12	3	2	2	2	2	2	1	2
6282	1976	OLDS	CUTL	11055	1	2	5	3	1	3	4	4	1	3	4	3	1	8	3	1	4	4	4	4	8	2	19	18	12	2	2	2	2	2	2	1	2
6283	1976	OLDS	NNTY	14519	1	2	5	3	3	3	2	3	1	3	4	3	1	10	2	3	3	4	4	4	4	1	0	0	0	4	2	2	2	2	2	1	2
6284	1976	PLYM	STAW	3938	1	2	2	3	3	3	4	4	4	1	4	3	1	3	2	3	3	4	4	4	2	1	12	0	0	3	2	2	2	2	2	1	2
6285	1976	PLYM	FURY	6426	1	2	3	2	3	4	4	4	1	3	4	3	2	8	2	3	4	4	4	4	2	1	17	0	0	1	2	2	2	2	2	1	2
6286	1976	PLYM	STAW	5469	1	2	3	3	1	3	4	4	4	3	1	3	1	8	3	1	4	4	4	4	3	2	10	0	0	5	2	2	2	2	2	1	2
6287	1976	PLYM	VALI	4523	1	2	3	3	3	3	3	4	3	4	2	3	3	35	1	4	4	4	4	4	3	1	17	18	13	4	2	2	2	2	2	1	2
6288	1976	PLYM	STAW	8597	1	2	4	3	1	3	4	4	1	3	4	3	3	25	4	2	3	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
6289	1976	PLYM	STAW	15659	1	2	5	4	4	4	1	4	3	4	2	4	1	5	1	4	4	4	4	4	2	4	18	0	0	3	2	2	2	2	2	1	2
6290	1976	PLYM	VOLA	11841	1	2	3	1	3	3	4	4	1	3	4	3	3	20	1	3	3	4	4	4	2	1	0	0	0	3	2	2	2	2	2	1	2
6291	1976	PONT	ASTR	6524	1	2	3	3	2	3	4	4	4	3	2	3	1	20	2	3	4	4	4	4	15	1	25	32	22	1	2	2	2	2	2	1	2
6292	1976	PONT	BONN	9269	1	2	4	3	3	3	3	3	4	3	3	3	1	15	4	3	4	4	4	4	4	2	0	17	12	1	2	2	2	2	2	1	2
6293	1976	PONT	GRNP	2870	1	2	3	3	2	4	3	4	4	3	4	3	3	40	3	4	3	4	3	3	3	1	15	19	13	4	2	2	2	2	2	1	2
6294	1976	PONT	LEMA	11471	1	2	5	3	3	3	4	4	3	3	4	3	1	5	3	4	3	4	4	4	4	2	0	23	0	1	2	2	2	2	2	1	2
6295	1976	PONT	BONN	10230	1	2	6	3	2	4	4	4	4	4	3	4	1	12	4	3	4	4	4	3	4	1	14	16	12	1	2	2	2	2	2	1	2
6296	1976	PONT	FIRE	6688	1	2	3	4	2	3	4	4	3	3	4	4	3	8	1	4	3	4	4	4	4	1	0	0	16	1	2	2	2	2	2	1	2
6297	1976	PONT	GRNP	13287	1	2	4	4	2	3	4	4	4	2	4	3	2	30	4	4	2	4	4	4	2	3	0	0	0	1	2	2	2	2	2	1	2
6298	1976	PONT	VENT	453	1	1	2	4	2	3	4	4	2	3	4	4	1	10	2	4	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
6299	1976	CAPR	SEDA	7566	1	3	2	3	2	3	3	4	2	3	4	4	1	15	2	3	4	4	4	4	4	4	18	0	0	1	2	2	2	2	2	1	2
6300	1976	COLT	STAW	10347	1	2	6	1	4	4	4	4	2	3	4	3	3	55	1	4	4	3	4	4	4	4	0	27	0	1	2	2	2	2	2	1	2
6301	1976	DATS	B210	9241	1	2	3	2	4	4	3	4	2	3	4	3	3	15	1	3	4	4	4	4	4	4	25	30	20	1	2	2	2	2	2	1	2
6302	1976	DATS	SEDA	10395	1	2	3	3	3	3	4	4	4	2	3	3	1	4	3	2	3	4	4	4	4	4	26	28	25	1	2	2	2	2	2	1	2
6303	1976	DATS	B210	7618	1	2	3	4	3	2	4	4	2	3	4	3	1	10	2	3	3	4	4	4	5	1	28	0	0	1	2	2	2	2	2	1	2
6304	1976	FIAT	SEDA	11911	1	2	5	3	2	4	3	4	3	3	2	3	1	25	2	4	3	4	4	4	6	1	25	32	28	1	2	2	2	2	2	1	2
6305	1976	FIAT	SEDA	3260	1	1	4	3	1	3	3	4	3	4	1	3	1	25	1	3	4	4	4	4	10	4	23	29	20	1	2	2	2	2	2	1	2
6306	1976	HOND	CIVI	4583	1	2	5	2	4	3	4	4	1	4	4	4	1	10	1	4	4	4	4	4	4	4	0	37	29	1	2	2	2	2	2	1	2
6307	1976	HOND	CIVI	2484	1	2	2	3	2	4	4	4	2	4	4	4	1	2	2	4	4	4	4	4	2	2	24	37	26	1	2	2	2	2	2	1	2
6308	1976	MAZD	STAW	8509	1	2	2	3	3	3	4	4	2	3	4	4	1	10	2	3	3	4	4	4	3	4	33	36	31	1	2	2	2	2	2	1	2
6309	1976	TOYO	CELI	11573	1	2	6	3	3	3	3	3	3	3	2	4	2	5	3	4	4	1	4	4	35	4	24	21	24	1	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

CHICAGO

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	M	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
6310	1976	TOYO	STAW	14831	1	2	4	3	3	3	3	4	2	3	3	3	1	4	1	3	3	4	4	4	4	1	0	29	0	1	2	2	2	2	2	1	2
6311	1976	TOYO	CELI	10547	1	2	3	4	3	1	4	4	3	3	4	3	1	15	2	4	4	4	4	3	4	1	24	28	20	1	2	2	2	2	2	1	2
6312	1975	TOYO	CORO	936	1	1	3	2	3	3	4	4	2	3	4	3	3	25	2	4	4	4	4	4	4	3	23	23	23	1	2	2	2	2	2	1	2
6313	1975	VOLK	SCIR	5867	1	2	4	3	3	3	3	3	2	3	4	3	1	1	2	3	4	4	4	4	4	3	26	33	0	1	2	2	2	2	2	1	2
6314	1976	VOLK	RABB	11448	1	2	4	3	3	3	4	4	2	3	4	3	1	10	2	3	3	4	4	4	4	4	0	0	0	1	2	2	2	2	2	1	2
6315	1976	VOLK	DASH	4420	1	2	2	3	3	3	4	4	1	4	4	4	1	6	2	4	4	4	4	4	4	1	30	34	24	1	2	2	2	2	2	1	2
6316	1976	VOLV	STAW	4527	1	2	2	3	3	3	3	3	3	3	3	3	2	15	3	3	3	4	4	4	4	1	0	0	0	5	3	2	2	2	2	1	2
5052	1975	AMC	HORN	24702	1	3	4	3	3	3	3	3	2	3	4	3	1	2	3	2	4	4	4	4	2	1	16	20	16	5	2	2	2	2	2	1	2
5053	1975	BUIC	REGA	18333	1	3	2	3	3	4	4	4	1	4	4	4	1	9	3	3	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
5054	1975	BUIC	RIVI	19391	1	3	2	3	3	2	4	4	2	3	4	3	1	3	1	3	4	3	4	4	4	4	10	11	9	1	2	2	2	2	2	1	2
5055	1975	CADI	DEVI	13131	1	2	3	3	3	3	4	4	2	3	4	4	1	2	2	3	3	4	4	4	2	2	15	20	11	4	2	2	2	2	2	1	2
5056	1975	CHEV	STAW	10051	1	3	2	3	2	4	4	4	2	3	4	4	1	3	1	3	4	4	4	4	2	2	19	0	0	3	2	2	2	2	2	1	2
5057	1975	CHEV	MALI	14953	1	3	2	4	1	4	3	4	1	3	4	3	1	12	1	4	4	4	4	4	1	1	0	18	12	1	2	2	2	2	2	1	2
5058	1975	CHEV	IMPA	15551	1	3	2	4	1	3	4	4	1	3	4	3	1	12	3	1	4	4	4	4	4	1	15	0	15	3	2	2	2	2	2	1	2
5059	1975	CHEV	STAW	14955	1	3	2	3	3	3	4	3	4	2	3	4	1	7	3	3	2	4	4	4	2	1	10	12	9	3	2	2	2	2	2	1	2
5060	1975	CHEV	NOVA	11287	1	3	3	3	2	3	4	4	2	3	4	4	1	6	4	3	4	4	4	4	4	1	16	18	16	1	2	2	1	2	2	2	2
5061	1975	CHRY	CORD	26848	1	3	3	2	4	3	4	4	3	3	4	3	1	9	2	3	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
5062	1975	DODG	CHAR	13586	1	3	3	2	3	3	3	4	1	3	4	3	2	10	1	3	3	4	4	4	6	2	0	15	9	1	2	2	2	2	2	1	2
5063	1975	FORD	MUST	21421	1	3	3	3	3	4	4	4	2	3	3	3	1	8	2	3	4	4	4	4	4	2	20	22	18	1	2	2	2	2	2	1	2
5064	1975	FORD	LTD	14856	1	3	3	1	4	3	4	4	4	3	4	1	1	10	4	1	4	4	4	4	2	1	11	15	10	1	2	2	2	2	2	1	2
5065	1975	FORD	LTD	13496	1	3	3	4	3	3	4	4	3	2	4	4	1	5	3	2	3	4	3	4	6	2	0	0	15	5	2	2	2	2	2	1	2
5066	1975	FORD	GRAN	1887	1	1	4	3	3	3	4	4	4	4	2	4	1	1	2	4	4	4	4	4	2	2	0	0	0	1	2	2	2	2	2	1	2
5067	1975	FORD	GRAN	16429	1	3	3	3	2	4	4	4	2	4	3	3	1	8	1	4	4	4	4	4	3	1	16	18	18	1	2	2	2	2	2	1	2
5068	1975	MERC	COUG	9369	1	3	2	3	2	3	3	4	4	2	4	3	1	5	3	1	4	4	4	4	2	3	0	16	13	1	2	2	2	2	2	1	2
5069	1975	OLDS	CUTL	14527	1	2	3	3	3	4	4	4	4	1	4	4	1	4	4	4	1	4	4	4	5	1	0	16	12	4	2	2	2	2	2	1	2
5070	1975	OLDS	NNTI	12487	1	3	3	1	3	4	4	4	3	3	1	4	2	10	3	4	1	4	4	4	3	1	0	15	12	3	2	2	2	2	2	1	2
5071	1975	PLYM	VALI	23897	1	3	3	4	4	1	4	4	3	2	3	3	1	5	1	3	4	4	4	4	15	1	0	15	0	1	2	2	2	2	2	1	2
5072	1975	PLYM	STAW	8632	1	2	2	3	1	4	4	4	4	1	4	3	1	10	4	3	1	4	4	4	1	1	0	0	0	1	2	2	2	2	2	1	2
5073	1975	PONT	GRNP	23496	1	3	3	3	2	3	4	4	2	4	4	3	1	5	2	3	4	4	4	4	4	3	10	0	0	2	2	2	2	2	2	1	2
5074	1975	PONT	LEMA	9912	1	3	2	3	2	3	4	4	2	3	4	3	1	15	2	3	3	4	4	4	2	1	0	0	10	3	2	2	2	2	2	1	2
5075	1975	DATS	SEDA	10192	1	2	3	3	3	3	4	4	3	2	4	4	1	15	2	3	3	4	4	4	2	2	25	27	28	1	2	2	2	2	2	1	2
5076	1975	TOYO	STAW	10256	1	2	2	2	3	3	4	4	4	3	4	4	1	18	4	3	2	4	4	4	2	2	0	28	20	1	2	2	2	2	2	1	2
5077	1975	TOYO	CORO	20555	1	3	3	3	2	3	3	4	3	3	4	1	2	14	1	3	4	4	4	4	4	1	26	34	22	1	2	2	2	2	2	1	2
5078	1975	VOLK	SEDA	10246	1	3	2	3	2	3	3	4	1	3	4	3	1	10	2	3	3	4	4	4	4	4	22	0	0	1	2	2	2	2	1	2	2
5079	1975	VOLK	RABB	43912	1	3	4	2	3	3	3	4	1	3	3	3	1	5	2	3	4	4	4	4	2	1	28	30	26	1	2	2	2	2	2	1	2
5317	1975	AMC	MATA	22637	1	3	4	2	3	3	3	3	2	3	3	3	2	20	1	4	3	4	4	4	6	3	13	0	0	1	2	2	2	2	2	1	2
5318	1975	BUIC	SKYH	14694	1	3	3	1	4	4	4	4	1	4	4	4	1	6	1	4	4	4	4	4	4	1	20	0	0	4	2	2	2	2	2	1	2
5319	1975	CADI	DEVI	22470	1	3	3	3	3	1	3	3	1	3	3	4	1	5	2	3	4	4	4	4	10	2	14	17	10	1	2	2	2	2	1	2	2
5320	1975	CHEV	VEGA	12859	1	3	2	3	3	3	4	3	3	3	3	3	2	20	3	3	1	4	3	4	2	1	10	22	18	1	2	2	2	2	2	1	2
5321	1975	CHEV	CAPR	8659	1	2	2	4	4	3	4	4	1	4	3	3	1	5	1	3	3	4	4	4	4	1	12	17	10	1	2	2	2	2	2	1	2
5322	1975	CHEV	NOVA	19452	1	3	3	3	1	3	4	4	2	3	4	3	1	13	1	3	4	4	4	4	6	1	15	18	14	3	2	2	2	2	2	1	2
5323	1975	CHEV	MONT	26088	1	3	3	3	3	3	3	4	3	4	3	4	2	30	1	4	4	4	4	4	5	1	0	0	10	4	2	2	2	2	2	1	2
5324	1975	CHEV	CAPR	8224	1	3	2	3	4	2	3	4	4	2	4	3	1	12	2	3	4	4	4	4	3	1	0	0	10	1	2	2	2	2	2	1	2
5325	1975	DODG	DART	6649	1	3	1	3	1	3	4	4	1	3	4	4	2	8	1	3	4	4	4	4	4	1	0	0	14	3	2	2	2	2	2	1	2
5326	1975	FORD	STAW	2555	1	3	1	3	2	3	4	3	4	2	4	3	1	2	2	3	3	4	4	4	3	2	0	0	0	1	2	2	2	2	2	1	2
5327	1975	FORD	LTD	15881	1	3	2	3	4	2	3	4	4	2	4	3	1	8	1	4	4	4	3	4	2	1	0	0	0	1	2	2	2	2	1	2	2
5328	1975	FORD	STAW	36517	1	3	4	1	3	3	4	4	1	3	1	4	1	2	4	1	3	3	4	4	4	1	10	11	8	3	2	2	2	2	2	1	2
5329	1975	LINC	CONT	23765	2	4	3	3	3	3	4	4	1	3	4	4	1	10	1	3	3	4	4	4	2	3	10	13	8	1	2	2	2	2	2	1	2
5330	1975	MERC	MONG	9777	1	3	2	3	3	4	3	4	4	4	3	3	1	12	2	3	4	4	4	4	1	3	12	0	0	1	2	2	2	2	2	1	2
5331	1975	OLDS	OMEG	4981	1	3	2	3	3	3	3	4	3	3	4	3	1	2	1	3	4	4	4	4	1	3	16	20	15	1	2	2	2	2	2	1	2
5332	1975	OLDS	DELT	26332	1	3	5	3	4	4	3	4	4	3	1	3	1	15	2	3	4	4	4	4	4	1	0	17	14	4	2	2	2	2	2	1	2
5333	1975	PLYM	FRY3	15786	1	3	3	3	2	3	4	4	2	4	4	4	1	5	2	3	4	4	4	4	6	3	15	15	12	3	2	2	2	2	2	1	2
5334	1975	PONT	LEMA	10889	1	3	2	4	1	3	4	4	4	1	4	3	1	9	2	3	4	4	4	4	4	1	14	14	0	3	2	2	2	2	2	1	2
5335	1975	DATS	B210	15110	1	3	3	3	2	3	4	4	2	4	4	3	1	6	2	2	4	4	4	4	3	4	23	26	22	1	2	2	2	2	2	1	2
5336	1975	FIAT	SEDA	11169	1	3	3	3	2	4	4	3	3	3	3	3	3	30	3	3	3	4	4	4	3	3	0	0	0	1	2	2	2	2	2	1	2
5337	1975	HOND	CIVI	14457	1	3	3	3	3	2	3	4	4	1	3	3	1	8	3	2	4	4	4	4	2	3	34	39	32	1	2	2	2	2	2	1	2
5338	1975	MAZD	RX4	15466	1	3	3	3	3	3	3	3	3	3	3	3	3	15	3	3	3	4	4	4	3	4	16	18	14	1	2	2	2	2	2	1	2
4080	1974	AMC	STAW	27037	1	4	3	3	1	3	1	3	1	3	4	3	1	2	1	4	4	4	4	4	4	1	0	16	13	1	2	2	2	2	2	1	2
4081	1974	BUIC	ELEC	31279	1	4	4	3	4	4	1	4	2	3	4	4	1	10	2	4	4	4	4	4	3	1	9	12	0	1	2	2	2	2	2	1	2
4082	1974	CADI	DEVI	11352	1	3	2	3	1	3	4	4	2	3	4	3	1	5	3	4	2	4	4	4	3	1	10	0	0	1	2	2	2	2	2	1	2
4083	1974	CHEV	VEGA	22352	1	4	3	4	2	3	4	4	1	3	4	4	1	1	2	3	4	4	4	4	3	1	20	23	18	1	2	2	2	2	2	1	2
4084	1974	CHEV	MALI	26170	1	3	3	3	2	3	4	4	2	3	4	3	1	5	1	4	4	4	4	4	4	1	13	15	11	1	2	2	2	2	2	1	2
4085	1974	CHEV	NOVA	23489	1	3	3	3	2	3	4	4	2	3	4	3	1	5	2	3	3	4	4	4	4	1	16	21	0	1	2	2	2	2	2	1	2
4086	1974	CHEV	NOVA	28673	1	4	3	2	3	3	4	4	1	3	4	4	2	10	2	3	3	4	4	4	2	1	11	12	10	1	2	2	2	2	2	1	2
4087	1974	CHEV	IMPA	28887	1	3	3	3	2	3	3	4	4	2	4	3	1	5	3	1	3	4	4	4	2	1	12	15	11	1	2	2	2	2	2	1	2
4088	1974	CHEV	STAW	25479	1	4	1	3	2	4	3	4	3	3	4	4	1	5	4	2	4	4	4	4	3	1	0	12	10	1	2	2	2	2	2	1	2
4089	1974	CHRY	NEWP	8156	1	3	1	2	3	3	4	4	4	2	4	4	1	6	4	2	4	4	4	4	1	1	0	0	8	1	2	2	2	2	2	1	2
4090	1974	DODG	CHAR	24605	1	4	3	3	3	3	4	4	4	3	4	1	1	20	1	3	4	4	4	4	6	2	13	15	11	1	2	2	2	2	2	1	2
4091	1974	FORD	PINT	28050	2	2	3	3	3	1	4	4	2	3	4	3	1	20	3	1	3	4	4	4	7	3	22	25	20	1	1	2	2	2	2	1	2
4092	1974	FORD	TORI	33427	1	4	3	3	4	3	3	3	2	4	3	4	1	12	1	3	4	4	4	3	2	1	0	12	8	1	2	2	2	2	2	1	2
4093	1974	FORD	MAVE	40304	1	4	3	3	2	3	4	4	4	4	3	2	1	10	3	3	4	4	4	4	4	1	0	22	19	1	1	2	2	2	2	1	2
4094	1974	FORD	STAW	21103	1	4	3	3	2	3	3	3	3	3	4	4	1	1	4	2	3	4	3	4	4	1	12	16	9	1	2	2	2	2	2	1	2
4095	1974	FORD	LTD	10566	1	3	2	3	3	3	4	4	4	3	4	3	1	12	1	4	3	4	4	4	4	2	13	16	12	1	2	2	2	2	2	1	2
4096	1974	MERC	MONG	58975	1	4	5	3	3	4	3	3	3	3	1	4	1	5	1	3	4	4	4	4	4	4	20	23	20	1	2	2	2	2	2	1	2
4097	1974	OLDS	CUTL	16747	1	4	2	2	4	4	4	4	4	3	4	2	1	5	3	3	3	4	4	4	1	1	0	17	12	1	2	2	2	2	2	1	2
4098	1974	OLDS	NNTY	19017	1	4	2	3	4	2	4	3	4	4	4	2	1	10	3	1	4	4	4	4	2	1	10	16	10	1	2	2	2	2	2	1	2
4099	1974	PLYM	STAW	8140	1	4	1	3	3	3	4	4	4	1	4	4	1	5	1	4	4	4	4	4	2	1	0	12	8	5	2	2	2	2	2	1	2
4100	1974	PLYM	DUST	28096	1	4	3	3	2	4	4	4	1	3	4	4	1	5	1	4	4	4	4	4	2	2	15	17	12	1	2	2	2	2	2	1	2
4101	1974	PONT	GRNV	16822	1	4	3	3	3	4	4	4	3	1	4	4	1	5	1	4	4	4	4	4	4	1	0	0	14	1	2	2	2	2	2	1	2
4102	1974	DATS	STAW	42120	1	4	4	2	3	3	3	4	4	1	4	3	1	8	2	3	4	4	4	4	3	1	22	28	20	1	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

CHICAGO

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	TMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
4103	1974	TOYO	CORO	19188	1	3	3	3	3	3	3	4	4	3	3	4	1	10	4	1	4	4	4	4	4	1	0	32	23	1	2	2	2	2	2	1	2
4104	1974	TOYO	CORO	21270	1	4	2	3	1	3	3	4	2	3	4	3	1	3	4	4	3	4	4	4	4	4	20	24	10	1	2	2	2	2	2	1	2
4105	1974	VOLK	SEDA	18241	1	3	3	3	2	3	4	4	2	3	4	3	1	5	1	3	4	4	4	4	6	1	0	0	24	1	2	2	2	2	2	1	2
4106	1974	VOLK	SEDA	9464	1	3	2	3	2	3	3	4	2	3	4	3	2	20	4	3	4	4	4	4	8	3	0	29	20	1	2	2	2	2	2	1	2
4339	1974	AMC	GREM	44776	1	4	5	3	3	3	4	4	2	3	4	3	1	15	4	4	2	4	4	4	6	1	0	0	16	1	2	2	2	2	2	1	2
4340	1974	BUIC	CNTY	15344	1	4	2	3	4	3	4	4	3	2	4	3	1	5	4	2	3	4	4	4	2	1	12	0	0	1	2	2	2	2	2	1	2
4341	1974	BUIC	ELEC	28364	2	2	3	4	3	3	4	4	1	3	3	3	3	5	4	3	1	4	4	4	5	2	0	0	0	1	2	2	2	2	2	1	2
4342	1974	CHEV	MALI	45285	1	3	5	4	3	3	4	4	2	3	4	3	1	17	4	4	4	4	4	4	6	1	16	20	16	1	2	2	2	2	2	1	2
4343	1974	CHEV	MALI	10854	1	3	1	3	1	4	4	4	4	3	4	1	1	5	1	4	4	4	4	4	1	1	10	0	0	1	2	2	2	2	2	1	2
4344	1974	CHEV	IMPA	20044	1	4	3	3	2	3	4	4	3	3	4	1	1	5	4	4	3	4	4	4	5	2	0	0	0	2	2	2	2	2	2	1	2
4345	1974	CHEV	CAPR	40782	1	4	4	3	2	4	4	4	3	3	4	1	1	1	1	4	4	4	4	4	10	2	0	16	11	1	2	2	2	2	2	1	2
4346	1974	CHEV	VEGA	35022	1	4	3	3	3	3	4	4	2	3	4	4	1	5	1	4	4	4	4	4	4	4	25	33	22	1	2	2	2	2	2	1	2
4347	1974	DODG	DART	20524	1	4	2	4	1	3	3	4	1	3	4	4	1	2	4	1	4	4	4	4	2	1	0	0	12	3	2	2	2	2	2	1	2
4348	1974	DODG	DART	17599	1	4	2	4	3	2	4	4	2	3	4	4	1	10	4	4	4	4	4	4	4	1	0	15	10	3	2	2	2	2	2	1	2
4349	1974	FORD	TORI	17834	1	3	3	4	1	3	4	4	3	3	2	3	1	10	1	4	4	4	4	4	10	1	0	0	0	1	2	2	2	2	2	1	2
4350	1974	FORD	LTD	34729	1	3	4	2	3	3	4	4	2	3	4	4	1	8	1	4	4	4	4	4	10	3	12	15	11	1	2	2	2	2	2	1	2
4351	1974	FORD	THND	9966	1	3	2	3	2	4	4	4	4	1	4	4	1	10	3	1	4	4	3	4	3	1	0	0	0	1	2	2	2	2	2	1	2
4352	1974	FORD	MAVE	11629	1	3	2	4	3	3	4	4	4	2	4	3	3	18	4	4	4	4	4	4	1	1	18	18	0	1	2	2	2	2	2	1	2
4353	1974	LINC	MRK4	36954	1	4	4	4	3	3	4	4	4	3	4	3	1	20	4	4	3	4	4	4	8	1	11	15	0	5	2	2	2	2	2	1	2
4354	1974	MERC	COMT	19662	1	4	2	3	3	1	4	3	4	3	4	4	1	15	1	4	4	4	4	4	2	1	13	16	12	1	2	2	2	2	2	1	2
4355	1974	OLDS	CUTL	20307	1	3	3	4	3	3	4	4	3	3	4	4	1	5	1	3	4	4	4	4	3	2	10	11	10	1	2	2	2	2	2	1	2
4356	1974	PLYM	FURY	12867	1	4	2	4	1	4	3	4	4	1	4	3	2	12	1	1	4	4	4	4	2	1	15	19	0	1	2	1	2	2	2	2	2
4357	1974	PONT	BONN	10070	1	3	2	4	4	3	2	4	4	3	4	3	1	5	1	3	4	4	4	4	2	1	0	16	8	1	2	2	2	2	2	1	2
4358	1974	PONT	VENT	27118	2	4	2	3	1	3	4	3	3	3	4	3	1	15	2	3	4	4	4	4	4	1	13	15	12	1	2	2	2	2	2	1	2
4359	1974	CAPR	SEDA	13289	1	3	2	2	3	4	4	4	2	3	4	4	1	8	4	4	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
4360	1974	DATS	SEDA	28902	1	3	3	3	3	4	4	4	2	3	3	4	1	15	4	4	3	4	4	4	12	2	20	30	10	1	2	2	2	2	2	1	2
4361	1974	MAZD	RX3	27988	1	3	3	3	3	4	3	4	2	3	4	4	1	10	4	4	4	4	4	4	2	1	15	0	0	1	2	2	2	2	2	1	2
3107	1973	AMC	GREM	26351	1	4	2	4	2	3	4	4	2	3	4	3	1	5	4	4	3	4	4	4	2	1	19	20	18	1	2	2	2	2	1	2	2
3108	1973	BUIC	RIVI	35469	1	4	3	3	3	3	4	4	1	3	4	3	1	2	1	1	3	4	4	4	5	3	0	0	0	5	2	2	2	2	2	1	2
3109	1973	BUIC	CNTY	34532	1	4	3	3	2	3	4	4	3	3	4	3	1	2	1	4	4	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
3110	1973	CADI	DEVI	35203	2	2	3	3	3	3	3	3	3	3	4	4	1	8	1	4	4	4	4	4	3	1	0	0	0	1	2	2	2	2	1	2	2
3111	1973	CHEV	VEGA	40834	1	4	3	3	2	3	3	3	3	3	4	2	1	2	1	4	4	4	4	4	6	1	22	29	22	5	2	1	2	2	2	2	2
3112	1973	CHEV	MALI	41445	2	3	2	3	3	3	4	4	4	3	4	3	1	4	4	4	3	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
3113	1973	CHEV	NOVA	29195	1	4	2	3	1	4	4	4	1	3	4	4	3	20	4	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
3114	1973	CHEV	IMPA	59412	1	4	4	1	3	3	4	4	4	3	4	3	1	4	4	4	3	4	4	4	5	1	0	17	12	1	2	2	2	2	2	1	2
3115	1973	CHEV	IMPA	43265	1	4	3	3	3	2	3	4	4	2	4	3	1	5	4	3	3	4	4	4	1	1	0	0	0	5	2	2	2	2	2	1	2
3116	1973	DODG	DART	11871	1	4	1	4	2	3	4	4	4	3	3	3	1	7	4	3	4	4	4	4	3	1	0	15	18	1	2	2	2	2	2	1	2
3117	1973	FORD	PINT	13866	1	4	2	3	2	3	4	4	4	3	4	3	1	7	4	3	4	4	4	4	2	1	14	23	15	1	2	2	2	2	2	1	2
3118	1973	FORD	TORI	44593	1	4	4	2	3	3	3	3	1	4	3	4	1	10	4	4	3	4	3	4	6	1	11	0	0	1	2	2	2	2	2	1	2
3119	1973	FORD	MUST	22607	1	4	2	3	2	3	4	4	3	1	3	3	1	8	3	1	3	4	3	4	3	2	11	0	0	1	2	1	1	2	2	2	2
3120	1973	FORD	CUST	79239	1	4	5	2	3	4	4	4	4	4	1	4	2	11	1	4	4	4	4	4	6	4	12	14	10	2	2	2	2	2	2	1	2
3121	1973	FORD	LTD	23627	1	4	2	4	2	3	4	4	4	2	3	3	1	5	4	4	4	4	4	4	5	1	0	0	0	1	2	2	2	2	2	1	2
3122	1973	MERC	MONT	60120	1	4	4	3	1	3	3	4	4	3	4	2	1	10	4	4	3	4	4	3	5	1	13	15	11	1	2	2	2	2	2	1	2
3123	1973	OLDS	CUTL	25621	1	4	2	2	2	4	4	4	4	3	3	2	1	7	4	4	4	4	4	4	2	1	13	17	12	1	2	2	2	2	2	1	2
3124	1973	OLDS	CUTL	17667	1	4	1	3	3	1	3	4	3	3	3	1	1	5	1	3	3	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
3125	1973	PLYM	SATE	13729	1	4	1	3	1	4	4	4	3	3	4	4	3	15	4	4	4	4	4	4	2	1	0	0	12	1	2	2	2	2	2	1	2
3126	1973	PLYM	VALI	13357	1	4	1	3	1	4	4	4	4	3	4	4	1	22	4	4	4	4	4	4	4	2	0	0	0	1	2	2	2	2	1	2	2
3127	1973	PONT	CATA	35285	1	4	3	2	3	4	4	4	4	3	4	1	1	10	4	4	4	4	4	4	1	1	12	0	8	1	2	2	2	2	2	1	2
3128	1973	PONT	LEMA	34826	1	4	3	3	1	4	4	4	1	3	4	3	1	7	1	4	4	4	4	4	6	1	12	0	0	1	2	2	2	2	2	1	2
3129	1973	DATS	510	29850	1	4	2	3	3	3	4	4	1	3	4	3	1	15	4	3	4	4	4	4	2	4	0	28	20	1	1	2	2	2	1	2	2
3130	1973	OPEL	STAW	53107	1	4	4	3	3	4	1	3	1	3	4	3	2	20	4	3	3	4	4	3	2	4	23	0	0	1	2	2	2	2	2	1	2
3131	1973	TOYO	CORO	20105	1	3	3	3	2	3	4	4	3	3	4	2	1	10	2	3	3	4	4	4	10	4	22	29	18	1	2	2	2	2	2	1	2
3132	1973	VOLK	SEDA	39010	1	4	3	2	3	3	3	4	2	3	4	3	1	5	4	4	3	4	4	4	3	3	28	30	24	1	2	2	2	2	2	1	2
3133	1973	VOLK	SEDA	40877	1	4	3	3	3	3	4	4	2	3	4	3	1	10	4	3	3	4	4	4	5	1	28	33	20	1	2	2	2	2	2	1	2
3362	1973	BUIC	CNTY	47189	1	4	4	3	3	3	4	4	3	3	3	3	2	15	4	3	3	4	4	4	5	3	18	17	13	1	2	2	2	2	2	1	2
3363	1973	BUIC	ELEC	60709	1	4	5	3	3	4	3	4	3	3	4	3	3	12	4	3	4	4	4	4	3	1	10	12	8	1	2	2	2	2	2	1	2
3364	1973	CHEV	STAW	26147	1	4	2	4	3	2	3	4	4	1	4	3	1	2	4	3	3	4	4	4	4	1	0	0	10	1	2	2	2	1	2	2	2
3365	1973	CHEV	VEGA	33191	1	4	3	3	4	1	3	4	1	3	4	3	1	1	4	3	4	4	4	4	3	3	21	25	20	1	2	2	2	2	2	1	2
3366	1973	CHEV	NOVA	38555	1	4	2	3	2	4	4	4	3	3	4	3	2	15	4	3	3	4	4	4	8	3	0	14	11	4	2	2	2	2	2	1	2
3367	1973	CHEV	MONT	38286	1	4	3	3	2	4	4	4	4	2	4	2	1	10	4	3	4	4	4	4	6	1	10	0	0	1	2	2	2	2	2	1	2
3368	1973	CHEV	MALI	8912	2	1	1	3	3	3	3	3	3	3	4	2	1	20	4	4	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	2	1
3369	1973	CHEV	CAPR	35429	1	4	2	3	2	3	3	4	4	3	4	2	1	4	4	3	1	4	3	3	1	1	10	12	9	1	2	2	2	2	2	1	2
3370	1973	CHRY	NEWP	25331	2	2	1	3	2	3	4	4	2	3	4	3	1	5	4	3	3	4	3	3	1	1	12	14	10	1	2	2	2	2	2	1	2
3371	1973	DODG	CORO	30681	2	4	4	4	1	3	4	4	1	3	4	3	1	16	4	3	3	4	4	4	1	1	0	0	0	1	1	2	2	2	2	1	2
3372	1973	DODG	POLA	51505	1	4	5	3	1	4	4	4	4	4	1	4	1	3	1	4	4	4	4	4	12	2	10	0	0	3	2	2	2	2	2	1	2
3373	1973	FORD	PINT	37409	1	4	2	3	4	2	4	4	3	2	4	4	2	10	1	4	4	4	4	4	3	2	0	0	0	5	2	2	2	2	2	1	2
3374	1973	FORD	STAW	21744	1	4	2	3	3	3	4	4	4	1	3	4	1	1	1	1	1	4	4	4	15	1	0	0	0	1	2	2	2	2	2	1	2
3375	1973	FORD	LTD	16078	1	4	2	4	2	3	4	4	4	1	4	3	1	1	1	1	4	4	4	4	8	1	0	0	0	1	2	2	2	2	2	1	2
3376	1973	FORD	STAW	37985	2	3	3	3	4	3	2	3	4	2	4	3	1	10	4	4	3	4	2	4	2	2	10	12	8	1	2	2	2	2	2	1	2
3377	1973	MERC	COUG	10354	1	3	1	3	3	3	4	4	4	4	4	2	1	5	4	4	2	4	4	4	6	2	0	0	0	1	2	2	2	2	2	1	2
3378	1973	OLDS	CUTL	28873	1	4	2	1	3	3	3	3	4	1	4	3	3	17	4	4	4	4	3	3	3	1	11	15	10	1	2	2	2	2	2	1	2
3379	1973	OLDS	MNTY	47067	1	4	4	1	3	4	4	4	1	4	4	4	1	35	1	3	4	4	4	4	8	4	0	0	9	1	2	2	2	2	2	1	2
3380	1973	PLYM	SATE	53105	1	4	4	3	3	3	3	4	2	3	4	3	1	15	1	3	3	4	4	3	2	1	15	17	14	1	2	2	2	2	2	1	2
3381	1973	PONT	FIRE	45160	1	4	4	3	1	3	3	4	3	3	4	3	1	3	1	3	3	4	4	3	1	4	10	15	8	1	2	2	1	2	2	2	2
3382	1973	PONT	STAW	27918	1	4	2	3	3	3	4	4	1	3	4	4	1	15	1	3	3	4	4	3	2	1	0	0	0	1	2	2	2	2	2	1	2
3383	1973	CAPR	COUP	16832	1	4	2	3	1	3	4	4	1	3	4	3	1	12	1	3	3	4	4	4	2	2	20	0	20	1	2	2	2	2	2	1	2
3384	1973	MAZD	SEDA	26107	1	4	2	3	1	3	3	4	1	3	4	3	1	2	4	3	3	4	4	4	4	1	15	22	14	1	2	2	2	2	2	1	2
2134	1972	AMC	GREM	30684	1	4	2	3	2	4	4	4	2	3	4	4	1	5	4	3	4	4	4	4	3	1	15	0	0	1	2	2	2	2	2	1	2
2135	1972	BUIC	LESA	69456	1	4	3	3	3	3	3	4	2	3	3	4	3	7	4	3	4	4	4	4	5	1	0	0	0	1	2	2	2	2	2	1	2
2136	1972	CADI	DEVI	38496	1	4	2	3	2	3	4	4	2	3	3	4	1	6	4	3	3	4	4	4	15	1	17	21	14	1	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

CHICAGO

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
2137	1972	CHEV	VEGA	25219	2	4	2	3	1	[illegible]	4	4	4	1	4	3	1	15	1	3	4	4	4	4	1	1	22	26	18	1	2	2	2	2	2	1	2
2138	1972	CHEV	MONT	51067	1	4	3	3	3	3	3	3	2	4	4	3	1	4	1	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
2139	1972	CHEV	MONT	35177	1	4	2	4	3	3	4	4	3	3	4	4	1	10	4	4	1	4	4	4	6	2	11	15	11	1	2	2	2	2	2	1	2
2140	1972	CHEV	NOVA	58509	1	4	4	3	2	3	4	4	3	4	2	4	2	11	2	3	4	4	4	4	5	1	10	12	8	5	2	2	2	2	2	1	2
2141	1972	CHEV	IMPA	36164	2	4	2	4	2	4	4	4	4	2	4	4	1	5	1	4	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
2142	1972	CHEV	CAPR	29393	1	4	2	3	3	3	4	4	3	2	3	3	1	7	3	3	3	4	4	4	4	2	15	13	13	1	2	2	2	2	2	1	2
2143	1972	DODG	CORO	24050	1	4	1	3	2	3	3	3	4	3	4	3	1	6	3	3	3	4	4	4	1	1	15	0	15	1	2	2	2	2	2	1	2
2144	1972	FORD	PINT	31448	2	1	4	2	3	3	4	4	1	3	4	4	1	6	1	3	4	4	4	4	3	4	21	25	19	5	2	1	2	2	2	2	2
2145	1972	FORD	TORI	51184	1	4	3	3	2	3	3	3	2	3	4	3	1	8	2	3	4	4	4	4	4	3	13	15	12	1	2	2	2	2	2	1	2
2146	1972	FORD	MAVE	52752	1	4	3	4	4	4	2	4	1	4	4	4	1	10	1	4	4	4	4	4	2	1	20	0	0	5	2	2	2	2	2	1	2
2147	1972	FORD	CUST	52301	1	4	3	3	2	3	4	4	2	3	4	4	1	15	1	4	4	4	4	4	4	1	0	0	11	1	2	2	2	2	2	1	2
2148	1972	FORD	STAW	52175	1	4	3	3	3	3	3	3	3	3	3	3	2	15	3	3	3	3	3	3	10	1	12	15	10	1	2	2	2	2	2	1	2
2149	1972	MERC	MONR	71847	1	4	4	3	2	3	3	4	3	2	4	3	1	10	3	4	2	4	4	4	3	1	12	14	10	2	2	2	2	2	2	1	2
2150	1972	OLDS	DELT	31186	1	3	2	3	3	4	4	4	4	1	4	3	1	7	2	3	4	4	4	4	4	1	0	14	10	1	2	2	2	2	2	1	2
2151	1972	PLYM	VALI	62482	1	4	3	2	3	4	4	4	2	3	4	3	1	2	1	3	3	4	4	4	2	1	16	17	14	1	2	2	2	2	2	1	2
2152	1972	PLYM	STAW	26701	1	4	2	4	2	4	3	4	2	3	4	3	1	10	2	3	3	4	4	3	2	1	12	16	10	1	2	2	2	2	2	1	2
2153	1972	PONT	CATA	37618	1	4	2	3	4	1	4	4	3	2	4	4	1	5	3	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
2154	1972	PONT	STAW	51713	1	4	4	2	3	4	4	4	1	4	3	4	1	8	1	4	4	4	4	4	4	2	11	12	10	1	2	2	2	2	1	2	2
2155	1972	DATS	1200	25536	1	4	1	4	1	4	4	4	1	4	4	4	1	10	3	3	4	4	4	4	4	1	27	29	25	1	2	2	2	1	2	2	2
2156	1972	TOYO	CORO	52463	1	4	3	3	3	3	4	2	2	3	3	3	1	15	1	3	4	4	4	4	2	1	20	25	18	1	2	2	1	2	2	2	2
2157	1972	VOLK	SEDA	53698	1	4	3	3	2	3	4	4	2	3	4	3	2	10	3	1	3	4	4	4	4	3	22	29	20	1	2	2	2	2	2	1	2
2158	1972	VOLK	STAW	37648	1	4	2	3	2	4	4	4	4	3	4	2	1	25	3	2	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
2385	1972	BUIC	SKYL	16874	2	4	2	3	2	4	4	4	4	2	4	3	1	10	1	3	4	4	4	4	2	1	0	0	0	5	2	2	2	2	2	1	2
2386	1972	BUIC	LESA	44203	1	4	3	3	2	3	3	4	4	3	3	3	2	12	1	3	4	4	4	4	2	1	11	15	10	1	2	2	2	2	2	1	2
2387	1972	CHEV	VEGA	35731	2	4	3	3	3	2	4	4	1	4	4	4	1	15	2	4	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
2388	1972	CHEV	NOVA	24968	2	4	2	4	2	4	4	4	2	4	4	4	1	5	4	1	4	4	4	4	5	[illegible]	0	0	0	1	2	2	2	2	2	1	2
2389	1972	CHEV	MONT	36840	1	4	3	2	3	4	4	4	2	3	4	3	1	3	2	3	4	4	4	4	2	[illegible]	0	15	0	1	2	2	2	2	2	1	2
2390	1972	CHEV	IMPA	58629	2	3	2	4	2	4	4	4	4	1	4	4	1	10	4	1	4	4	4	4	2	1	11	14	10	1	2	2	2	2	2	1	2
2391	1972	CHEV	STAW	33765	1	4	2	2	4	4	4	4	4	4	4	2	1	4	2	4	4	4	4	4	2	1	9	0	0	1	2	2	2	2	2	1	2
2392	1972	CHRY	NEWP	62683	2	3	1	4	3	3	4	4	4	1	4	4	1	20	3	3	4	4	4	4	1	1	0	0	30	1	2	2	1	2	1	2	2
2393	1972	DODG	DART	15489	1	4	1	3	2	4	4	4	4	2	4	4	1	10	1	4	4	4	4	4	1	1	15	18	14	1	2	2	2	2	2	1	2
2394	1972	FORD	STAW	54632	2	4	4	3	4	4	3	3	1	4	4	4	1	4	1	4	4	4	4	4	4	1	21	24	18	1	2	2	2	2	2	1	2
2395	1972	FORD	TORI	33142	1	4	3	3	3	3	3	3	3	3	4	3	1	5	2	3	4	4	4	4	3	3	0	0	0	1	2	2	2	2	2	1	2
2396	1972	FORD	LTD	58690	1	4	3	3	2	3	4	4	2	3	4	4	1	8	3	2	3	4	4	4	4	2	12	14	10	1	2	2	2	2	2	1	2
2397	1972	FORD	TORI	33724	1	4	2	4	1	3	3	4	2	3	4	3	1	7	2	3	4	4	4	4	1	2	14	16	14	1	2	2	2	2	2	1	2
2398	1972	LINC	CONT	14172	1	4	1	3	3	1	4	3	4	3	1	3	1	10	1	3	4	4	3	4	4	1	0	0	0	1	2	2	2	2	2	1	2
2399	1972	MERC	MONG	20419	1	4	1	4	1	3	4	4	2	3	4	4	1	10	1	4	4	4	4	4	4	1	0	0	15	1	2	2	2	2	2	1	2
2400	1972	OLDS	CUTL	40973	1	4	3	4	2	3	4	4	2	3	4	4	1	4	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
2401	1972	OLDS	NNTY	61474	1	4	4	3	3	3	2	4	4	3	4	3	1	5	4	2	4	4	4	4	2	1	14	16	0	1	2	2	2	2	2	1	2
2402	1972	PLYM	BARR	55631	1	4	3	3	1	3	3	4	2	3	4	3	1	7	1	3	4	4	4	4	6	2	16	18	14	1	2	2	2	2	2	1	2
2403	1972	PONT	GRNV	41684	1	4	2	3	3	3	4	4	3	3	4	1	3	12	3	3	4	4	4	4	2	4	14	16	0	1	2	2	2	2	2	1	2
2404	1972	CAPR	COUP	52267	2	1	3	3	3	3	4	4	2	3	4	4	1	20	2	3	4	4	4	4	2	4	22	25	19	1	2	2	2	2	2	1	2
1159	1971	BUIC	RIVI	40328	2	4	2	3	3	3	4	4	3	2	3	3	1	8	3	3	3	4	4	4	8	1	13	0	0	1	2	2	2	2	2	1	2
1160	1971	BUIC	SKYL	36001	1	4	2	4	4	1	4	4	4	2	4	3	1	11	1	4	4	4	4	4	5	1	14	15	12	1	2	2	2	2	2	1	2
1161	1971	CHEV	VEGA	41697	1	4	2	4	2	3	4	4	1	4	3	4	1	4	1	3	3	4	4	4	3	1	22	30	19	1	2	2	2	2	2	1	2
1162	1971	CHEV	MALI	50914	2	4	2	3	3	3	4	4	3	3	3	3	2	20	3	3	3	4	4	4	5	2	14	0	0	1	2	2	2	2	2	1	2
1163	1971	CHEV	MALI	45401	1	4	3	3	2	3	4	4	2	3	3	4	1	5	2	3	4	4	4	4	5	2	16	16	14	1	2	2	2	2	2	1	2
1164	1971	CHEV	IMPA	34709	2	3	3	3	2	3	3	4	4	3	4	3	2	15	3	2	4	4	4	4	10	1	0	15	13	1	2	2	2	2	2	1	2
1165	1971	CHEV	STAW	82670	1	4	4	2	4	4	3	4	2	3	3	3	2	20	1	3	4	4	4	4	1	1	12	16	10	1	2	2	2	2	2	1	2
1166	1971	CHRY	NEWY	74403	1	4	3	2	3	3	4	4	3	3	3	3	1	6	1	3	4	4	4	4	4	1	11	12	9	1	2	2	2	2	2	1	2
1167	1971	DODG	CORO	27010	1	4	2	3	3	3	4	4	1	3	4	3	1	10	4	4	1	4	4	4	2	1	0	15	10	1	2	2	2	2	2	1	2
1168	1971	FORD	PINT	59098	1	4	3	3	3	3	4	4	3	3	3	3	1	7	2	3	4	4	4	4	4	1	19	0	0	1	2	2	2	2	2	1	2
1169	1971	FORD	STAW	41869	1	4	2	3	3	4	3	3	3	3	4	3	1	3	1	3	3	4	4	4	4	1	0	0	0	1	2	2	1	2	2	2	2
1170	1971	FORD	MAVE	40616	1	4	2	3	2	4	3	4	2	3	4	4	1	12	2	3	3	4	4	4	5	1	0	20	12	5	2	2	1	2	1	2	2
1171	1971	FORD	LTD	60076	1	4	3	3	3	2	4	4	4	1	4	3	2	8	1	3	4	4	4	4	2	1	12	17	12	2	2	2	2	2	2	1	2
1172	1971	FORD	LTD	53315	1	4	3	2	3	4	3	3	4	4	1	4	1	12	1	4	4	4	4	4	15	2	16	18	14	1	2	2	2	2	2	1	2
1173	1971	MERC	MONR	72830	1	4	3	3	4	2	3	3	2	3	4	4	1	9	2	4	3	4	4	4	4	1	15	17	12	1	2	2	2	2	2	1	2
1174	1971	OLDS	STAW	53092	2	3	3	3	2	3	3	4	4	3	4	3	1	10	4	3	2	4	3	4	2	1	10	16	10	1	2	2	2	2	2	1	2
1175	1971	PLYM	DUST	30977	1	4	2	3	2	4	4	4	1	4	4	4	1	15	1	3	4	4	4	4	2	1	16	20	13	1	2	2	2	2	1	2	2
1176	1971	PONT	GRNV	86274	2	4	3	3	3	3	4	4	3	2	4	3	3	25	3	2	3	4	4	4	4	1	13	15	10	1	2	2	2	2	2	1	2
1177	1971	PONT	LEMA	28460	1	4	2	3	3	3	4	4	3	2	3	3	1	10	3	3	4	4	4	4	4	1	14	16	0	1	2	2	2	2	2	1	2
1178	1971	DATS	SEDA	73576	2	4	2	2	4	4	3	4	2	3	4	3	2	20	3	1	4	4	4	4	4	1	25	0	0	1	2	2	2	2	2	1	2
1179	1971	TOYO	STAW	51714	1	4	2	3	2	3	4	4	2	3	4	4	1	10	3	2	4	4	3	4	5	4	0	28	21	1	2	1	2	2	2	2	2
1180	1971	VOLK	SEDA	64544	2	3	2	4	3	2	4	4	3	3	4	3	1	1	2	3	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	2	1
1405	1971	AMC	AMBA	70883	2	2	1	3	1	4	4	4	4	1	4	4	1	7	4	4	1	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
1406	1971	BUIC	ELEC	59421	1	4	3	3	4	3	2	3	3	3	4	2	1	9	3	3	4	4	4	4	4	2	13	16	9	1	2	2	2	2	2	1	2
1407	1971	CADI	DEVI	29821	1	4	2	4	3	3	4	4	4	1	4	2	1	5	3	4	4	4	3	4	2	1	9	10	8	1	2	2	2	2	2	1	2
1408	1971	CHEV	CAMA	51533	1	4	3	4	4	4	3	1	1	4	4	4	1	12	3	1	4	4	4	4	2	3	14	16	12	1	2	2	2	2	2	1	2
1409	1971	CHEV	MALI	46369	1	4	2	2	3	3	4	4	2	3	4	3	2	10	2	4	3	4	4	4	2	1	12	14	0	1	2	2	2	2	2	1	2
1410	1971	CHEV	MONT	61690	1	4	3	2	3	3	3	4	2	4	3	3	1	18	1	3	4	4	4	4	12	1	14	17	12	1	2	2	2	2	2	1	2
1411	1971	CHEV	CAPR	45501	2	4	2	3	2	3	4	4	3	2	4	4	1	20	2	4	3	4	4	4	4	1	10	15	8	1	2	2	2	2	2	1	2
1412	1971	DODG	DART	65485	2	2	3	3	2	3	3	4	3	4	4	2	1	1	1	4	3	4	4	4	6	3	0	0	0	1	2	2	2	2	2	1	2
1413	1971	FORD	MAVE	38253	1	4	2	4	1	3	4	4	3	3	3	4	1	10	4	1	4	4	4	4	5	1	0	0	0	1	2	2	2	2	2	1	2
1414	1971	FORD	LTD	89079	2	3	2	3	4	2	4	4	2	3	4	4	2	20	1	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
1415	1971	FORD	LTD	96926	2	2	2	3	1	4	3	3	2	3	4	3	1	24	1	4	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	2	1
1416	1971	MERC	MARQ	50486	1	4	2	3	2	3	4	4	2	3	4	3	1	7	2	3	3	4	4	4	5	3	13	13	11	1	2	2	2	2	2	1	2
1417	1971	OLDS	CUTL	68298	2	4	1	4	1	3	4	4	2	3	4	3	1	10	2	3	3	4	4	4	4	1	0	16	11	1	2	2	2	2	2	1	2
1418	1971	OLDS	CUTL	52912	1	4	2	3	2	3	4	4	1	3	4	3	1	5	2	3	3	4	4	4	5	1	0	0	0	1	2	2	2	2	2	1	2
1419	1971	PLYM	DUST	84280	1	4	4	3	3	3	2	3	4	3	4	1	1	28	2	3	4	4	4	4	3	3	16	20	13	1	2	2	1	2	1	2	2
1420	1971	PLYM	FRY2	44624	1	4	2	3	3	3	2	3	4	3	4	2	1	5	3	3	3	4	4	4	3	1	14	17	10	1	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

CHICAGO

VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	E	V	L	MI	VEHICLE USE A	B	C	D	E	F	TR	F	OA	HD	CD	N	U	DAMAGE A	B	C	D	E	F
1421	1971	PONT	CATA	39159	1	4	2	3	2	4	3	4	4	1	4	3	1	7	1	3	4	4	4	4	3	1	10	14	8	1	2	2	2	2	2	1	2
1422	1971	VOLK	SEDA	90919	1	4	4	1	3	3	3	4	4	3	4	1	1	7	[illegible]	[illegible]	4	4	4	4	3	4	23	25	21	1	2	2	2	2	2	1	2
0181	1970	AMC	AMBA	96032	2	4	3	3	3	3	3	3	3	3	4	3	1	10	[illegible]	[illegible]	3	4	4	3	2	2	18	18	9	1	1	2	2	2	2	1	2
0182	1970	BUIC	ELEC	60562	1	4	2	4	3	3	4	4	4	3	4	3	1	6	[illegible]	[illegible]	4	4	3	4	4	1	14	16	14	1	2	2	2	2	2	1	2
0183	1970	CHEV	MONT	45874	1	4	2	1	3	4	3	4	2	3	4	3	3	22	[illegible]	[illegible]	4	4	4	4	3	3	13	0	0	1	2	2	2	2	2	1	2
0184	1970	CHEV	MALI	32054	2	4	1	3	4	4	3	4	4	4	4	1	1	20	[illegible]	[illegible]	3	4	4	4	2	1	0	10	12	1	2	2	2	2	2	1	2
0185	1970	CHEV	MALI	64836	1	4	2	3	2	3	4	4	2	3	3	3	1	8	[illegible]	[illegible]	3	4	4	4	4	1	12	14	11	1	2	2	2	2	2	1	2
0186	1970	CHEV	IMPA	35829	2	4	2	4	2	3	4	4	3	3	4	4	1	8	3	[illegible]	4	4	4	4	10	1	0	0	0	1	2	2	2	2	2	1	2
0187	1970	CHEV	CAPR	64927	2	4	3	3	3	3	3	3	2	3	4	4	1	20	[illegible]	[illegible]	4	4	4	4	3	3	12	14	11	1	2	2	2	2	2	1	2
0188	1970	DODG	DART	33792	2	4	1	3	2	4	4	4	4	1	4	4	3	8	[illegible]	[illegible]	4	4	4	4	6	1	0	0	0	5	2	2	2	2	2	1	2
0189	1970	FORD	MUST	37052	1	4	2	3	2	3	4	4	1	3	4	3	3	10	[illegible]	[illegible]	4	4	4	4	2	1	15	10	15	1	2	2	1	2	2	2	2
0190	1970	FORD	FAIR	35896	1	4	2	3	1	4	4	4	3	1	4	3	1	12	1	3	4	4	4	4	3	2	15	10	11	1	2	2	2	2	2	1	2
0191	1970	FORD	LTD	45614	2	4	3	3	3	2	3	3	4	2	4	3	1	10	2	3	3	4	4	4	8	1	0	19	10	2	2	2	2	2	2	1	2
0192	1970	FORD	LTD	59690	1	4	2	4	2	3	4	4	4	1	4	3	1	8	[illegible]	2	4	4	4	4	2	1	14	16	12	1	2	2	2	2	2	1	2
0193	1970	MERC	COUG	36800	2	4	1	3	1	3	4	4	4	1	3	3	1	10	[illegible]	3	3	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
0194	1970	OLDS	CUTL	72848	1	4	3	3	3	4	4	4	1	3	4	3	1	4	3	3	3	4	4	4	3	1	0	0	12	1	2	2	1	2	2	2	2
0195	1970	PLYM	STAW	75989	1	4	3	4	3	2	3	3	3	2	4	3	3	40	3	3	2	4	4	4	6	1	12	0	0	1	2	2	2	2	2	1	2
0196	1970	PLYM	DUST	61484	1	4	3	4	2	3	4	4	3	3	2	3	1	9	2	4	4	4	4	4	10	1	0	0	20	1	2	2	1	2	1	2	2
0197	1970	PONT	BONN	74698	2	2	3	4	4	1	4	4	4	1	4	4	1	14	[illegible]	4	4	4	4	4	0	1	10	0	0	1	2	2	2	2	2	1	2
0198	1970	DATS	510	20251	1	4	1	3	2	4	4	4	4	1	4	4	1	10	4	1	4	4	4	4	2	2	0	0	0	5	2	2	2	2	1	2	2
0199	1970	TOYO	SEDA	75323	1	4	3	3	2	3	3	4	3	3	4	3	1	3	[illegible]	[illegible]	4	4	4	4	5	1	21	27	19	1	2	2	2	2	1	2	2
0200	1970	VOLK	SEDA	74645	1	4	3	1	3	4	4	4	1	4	4	4	2	3	[illegible]	[illegible]	4	4	4	4	2	4	20	25	20	1	2	2	2	2	2	1	2
0423	1970	BUIC	LESA	54949	1	4	3	3	2	3	4	4	2	4	4	3	1	8	[illegible]	[illegible]	4	4	4	4	3	1	14	16	12	1	2	2	2	2	2	1	2
0424	1970	BUIC	LESA	53157	1	4	2	3	2	3	3	4	4	3	4	2	1	10	[illegible]	3	4	4	4	4	3	1	11	14	11	1	2	2	2	2	2	1	2
0425	1970	CADI	DEVI	39918	2	4	2	3	4	4	3	4	4	4	4	2	1	9	[illegible]	4	2	4	4	4	2	1	0	14	13	1	2	2	2	2	2	1	2
0426	1970	CHEV	NOVA	70312	2	4	3	2	3	4	4	4	2	3	4	3	1	8	[illegible]	[illegible]	4	4	4	4	3	1	17	19	14	1	2	2	2	2	2	1	2
0427	1970	CHEV	IMPA	78048	1	4	3	2	3	3	4	3	4	1	4	3	1	4	[illegible]	[illegible]	3	4	4	4	2	2	9	12	9	1	2	2	2	2	2	1	2
0428	1970	CHEV	IMPA	43451	1	4	1	3	3	2	4	4	3	2	4	3	1	8	[illegible]	3	4	4	4	4	2	1	10	0	0	1	2	1	1	2	2	2	2
0429	1970	CHRY	NEWP	50505	1	4	3	3	2	3	4	4	4	2	4	3	2	15	[illegible]	[illegible]	4	4	4	4	2	2	16	18	16	1	2	2	2	2	2	1	2
0430	1970	DODG	CORO	60263	1	4	3	3	3	3	4	4	3	3	3	3	1	5	[illegible]	[illegible]	3	4	4	4	4	1	10	0	0	1	2	2	2	2	1	2	2
0431	1970	FORD	MAVE	38104	1	4	2	3	3	3	4	4	4	3	4	4	1	6	[illegible]	[illegible]	3	4	4	4	4	1	16	0	0	1	2	2	2	2	2	1	2
0432	1970	FORD	MUST	90103	1	4	4	2	3	4	3	4	3	3	4	2	1	15	[illegible]	[illegible]	4	4	4	4	4	3	0	16	12	1	2	2	2	2	2	1	2
0433	1970	FORD	LTD	67008	2	3	3	3	1	3	3	3	1	4	3	4	1	10	[illegible]	[illegible]	4	4	4	4	6	1	14	16	12	1	2	2	2	2	2	1	2
0434	1970	OLDS	MNTY	69323	1	4	3	3	2	3	4	4	4	3	2	3	1	8	[illegible]	[illegible]	3	4	4	4	2	1	12	15	10	1	2	2	2	2	2	1	2
0435	1970	PLYM	FRY2	36650	2	4	2	3	2	4	4	4	3	3	4	3	1	10	[illegible]	[illegible]	4	4	4	4	2	1	15	15	10	1	2	2	2	2	2	1	2
0436	1970	PONT	BONN	96487	1	4	4	4	2	4	4	4	4	3	4	2	1	2	2	3	3	3	3	3	2	1	14	16	12	1	1	2	1	2	2	2	2
0437	1970	VOLK	SEDA	56262	1	4	2	3	3	3	4	4	1	4	3	4	1	5	[illegible]	[illegible]	4	4	4	4	5	3	27	29	28	1	2	2	2	2	2	1	2
9438	1969	AMC	RAMB	44654	2	4	2	4	2	3	4	4	4	2	4	3	1	3	[illegible]	[illegible]	4	4	4	4	3	1	16	20	18	1	2	2	2	2	2	1	2
9439	1969	BUIC	ELEC	57852	2	4	3	3	3	4	1	4	3	4	4	1	1	10	[illegible]	[illegible]	4	4	4	4	4	1	0	18	9	1	2	2	1	2	2	2	2
9440	1969	BUIC	STAW	44599	1	4	2	3	3	3	3	3	1	3	4	3	1	5	[illegible]	[illegible]	4	4	4	4	5	3	11	13	11	1	2	2	2	2	2	1	2
9441	1969	CADI	DEVI	30018	1	4	1	3	2	3	3	4	4	3	4	3	1	7	[illegible]	[illegible]	4	4	4	4	8	3	0	0	0	1	2	2	2	2	2	1	2
9442	1969	CHEV	NOVA	51619	2	4	2	4	1	3	4	4	1	3	4	4	1	10	[illegible]	[illegible]	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
9443	1969	CHEV	IMPA	81017	1	4	2	3	2	3	3	4	3	3	4	4	1	6	[illegible]	[illegible]	3	4	4	4	5	1	0	0	0	1	2	2	2	2	2	1	2
9444	1969	CHEV	MALI	38624	1	4	1	3	3	2	4	3	4	2	4	3	1	10	3	2	3	4	3	4	3	1	0	0	0	1	2	2	2	2	2	1	2
9445	1969	CHEV	IMPA	[illegible]	1	4	4	2	3	3	4	4	3	3	3	2	1	11	[illegible]	[illegible]	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
9446	1969	CHEV	IMPA	87553	1	4	3	1	4	3	4	4	2	3	4	4	2	12	[illegible]	[illegible]	4	4	4	4	4	1	0	0	0	5	2	2	2	2	2	1	2
9447	1969	CHEV	BISC	62310	2	4	2	3	2	3	4	4	3	3	4	4	1	6	[illegible]	[illegible]	3	4	4	4	6	3	0	0	0	1	2	2	2	2	2	1	2
9448	1969	CHEV	CAPR	52577	2	4	3	4	2	3	4	4	2	3	4	4	1	11	[illegible]	3	4	4	4	4	2	1	0	0	8	1	2	2	2	2	2	1	2
9449	1969	CHRY	STAW	76096	2	4	3	3	3	3	4	4	2	3	4	3	1	7	2	3	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	2	1
9450	1969	DODG	CORO	79540	1	4	2	3	3	3	3	3	1	3	4	3	2	20	1	[illegible]	4	4	4	4	4	1	16	17	14	1	2	2	2	2	2	1	2
9451	1969	FORD	FAIR	76061	2	4	4	2	3	3	3	4	1	3	3	4	1	20	[illegible]	[illegible]	4	4	4	4	2	1	14	0	12	1	2	2	1	2	1	2	2
9452	1969	FORD	MUST	53208	1	4	2	3	2	3	3	4	2	3	4	3	1	6	1	3	4	4	4	4	6	1	0	25	0	1	2	2	2	2	2	1	2
9453	1969	FORD	TORI	85342	2	4	1	3	2	3	3	4	3	2	3	3	1	5	[illegible]	[illegible]	4	4	4	4	1	1	0	17	0	1	2	2	2	2	2	1	2
9454	1969	FORD	LTD	84414	1	4	3	4	3	3	3	4	1	3	4	4	2	30	[illegible]	[illegible]	4	4	4	4	5	1	0	17	12	1	2	2	2	2	2	1	2
9455	1969	FORD	MUST	40014	1	4	2	3	2	3	3	4	4	3	4	2	1	4	[illegible]	[illegible]	4	4	4	4	2	2	0	18	0	1	2	2	2	2	2	1	2
9456	1969	FORD	STAW	68313	1	4	2	3	3	2	4	4	4	2	4	3	1	7	[illegible]	[illegible]	2	4	4	3	1	1	0	12	0	1	2	2	2	2	2	1	2
9457	1969	MERC	MARQ	63749	2	4	2	3	2	3	4	4	3	1	3	3	1	8	[illegible]	[illegible]	3	4	4	4	1	2	14	17	12	1	2	2	2	2	2	1	2
9458	1969	OLDS	MNTY	45552	1	4	1	3	2	3	4	4	4	2	4	3	1	15	[illegible]	[illegible]	3	4	4	4	1	1	0	0	0	1	2	2	2	2	2	1	2
9459	1969	OLDS	DELT	58526	1	4	2	3	4	1	3	4	2	3	4	3	1	10	[illegible]	[illegible]	2	4	3	4	2	1	0	13	10	1	2	2	2	2	2	1	2
9460	1969	PLYM	STAW	75961	1	4	3	4	2	3	4	4	3	3	4	2	1	6	[illegible]	3	3	4	4	4	5	1	14	17	12	1	2	2	2	2	2	1	2
9461	1969	PLYM	VALI	50634	1	4	2	3	2	3	4	4	2	4	4	3	1	9	2	3	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
9462	1969	PONT	LEMA	72190	2	3	1	4	1	4	4	4	2	3	4	4	1	15	[illegible]	[illegible]	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
9463	1969	PONT	CATA	61993	2	4	2	2	4	4	4	4	2	4	3	3	1	9	[illegible]	[illegible]	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
9464	1969	PONT	CATA	55213	2	4	2	3	2	3	4	4	2	3	4	3	1	10	2	[illegible]	3	4	3	4	3	1	0	0	0	1	2	2	2	2	2	1	2
9465	1969	TOYO	CORO	54618	2	2	2	4	4	2	4	4	1	3	4	4	1	11	1	3	4	4	4	4	2	1	0	0	0	1	2	1	2	2	2	2	2
9466	1969	VOLK	TRAN	60369	1	4	2	3	1	3	4	4	1	3	4	4	1	7	1	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
9467	1969	VOLK	TRAN	79866	2	4	2	2	3	3	3	3	4	3	4	2	1	10	[illegible]	[illegible]	1	4	4	4	1	1	20	23	19	1	2	2	2	2	2	1	2
8468	1967	AMC	STAW	67808	1	4	2	3	4	2	4	4	4	2	4	3	2	8	[illegible]	1	4	4	4	4	2	1	19	0	0	1	2	2	2	2	2	1	2
8469	1967	AMC	STAW	51071	1	4	2	3	3	3	3	4	3	3	4	4	1	5	2	3	3	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
8470	1967	AMC	REBE	101954	1	4	3	3	2	4	3	4	3	3	4	3	1	3	[illegible]	[illegible]	3	4	4	4	2	1	0	0	0	5	2	2	2	2	2	1	2
8471	1967	BUIC	LESA	69032	1	4	3	3	4	4	2	3	3	3	4	3	1	3	[illegible]	[illegible]	4	4	4	4	8	4	0	0	0	1	2	2	2	2	1	2	2
8472	1968	BUIC	RIVI	45958	2	4	2	3	2	4	4	4	3	4	4	2	1	5	[illegible]	[illegible]	4	4	4	4	8	1	12	0	0	1	2	2	2	2	2	1	2
8473	1968	BUIC	STAW	46931	2	4	2	3	1	3	3	4	3	2	4	4	1	10	[illegible]	[illegible]	3	4	3	4	4	2	13	0	0	1	2	2	2	2	2	1	2
8474	1966	CADI	FLEE	59308	2	4	2	3	1	4	4	4	4	1	4	3	2	8	[illegible]	[illegible]	3	4	4	4	3	1	0	0	0	5	2	1	2	2	1	2	2
8475	1967	CHEV	IMPA	72273	2	4	2	4	2	3	4	4	2	3	4	4	2	12	[illegible]	[illegible]	4	4	4	4	2	1	14	0	0	1	2	2	2	2	2	1	2
8476	1967	CHEV	CHEL	90260	2	4	2	3	3	3	3	4	3	3	2	3	1	10	1	3	3	3	3	3	5	2	16	22	15	1	2	2	1	2	1	2	2
8477	1967	CHEV	BELA	86989	1	4	2	2	3	3	4	4	2	3	4	3	2	10	[illegible]	[illegible]	3	4	4	4	4	2	0	17	13	1	2	2	2	2	2	1	2
8478	1968	CHEV	IMPA	71575	1	4	2	3	4	1	4	4	1	3	4	4	1	5	[illegible]	[illegible]	4	4	4	4	1	2	15	0	0	1	2	2	2	2	2	1	2
8479	1967	CHEV	CAPR	69505	2	4	3	2	3	4	3	4	3	3	4	1	1	6	[illegible]	[illegible]	4	4	3	4	2	1	12	17	11	1	2	1	2	2	2	2	2
8480	1968	CHEV	IMPA	70385	2	2	2	3	3	3	3	4	2	3	3	4	1	2	2	3	4	4	4	4	4	1	13	0	13	1	2	2	2	2	2	2	1

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

CHICAGO

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
8481	1967	CHEV	IMPA	77129	2	4	3	4	2	3	4	4	3	3	4	4	1	8	4	3	2	4	4	4	4	2	0	0	11	1	2	2	1	2	2	2	2
8482	1967	CHEV	MALI	139128	2	3	1	3	1	3	4	4	4	2	3	3	2	10	3	3	2	4	4	4	1	2	13	15	10	1	2	2	2	2	2	1	2
8483	1968	CHEV	IMPA	98716	2	3	3	3	4	4	2	4	4	3	4	2	1	12	1	3	4	4	4	4	2	1	12	16	8	1	2	1	2	2	2	2	2
8484	1968	CHEV	IMPA	64761	1	4	2	3	2	3	4	4	1	3	3	3	1	10	1	4	4	4	4	4	2	1	11	16	11	1	1	2	2	2	2	1	2
8485	1968	CHEV	STAW	69003	1	4	3	4	3	3	3	3	1	3	4	4	2	10	1	4	3	4	4	4	2	1	13	15	0	5	2	2	2	2	2	1	2
8486	1968	CHEV	IMPA	38656	2	4	2	4	2	3	4	4	4	1	4	3	1	6	1	4	4	4	4	4	3	1	15	17	15	1	2	2	2	2	2	1	2
8487	1968	CHRY	NEWP	68083	2	4	3	3	2	4	4	4	3	3	4	4	1	7	1	4	4	4	4	4	4	1	10	12	9	1	2	2	2	2	2	2	1
8488	1966	DODG	DART	50165	2	4	2	4	1	3	4	4	1	3	4	3	1	4	1	3	4	4	4	4	6	1	11	0	12	1	2	2	2	2	2	1	2
8489	1968	DODG	CORO	76689	2	4	3	3	2	3	3	3	4	3	4	3	1	5	3	3	3	4	3	4	3	2	0	18	0	1	2	2	2	2	2	1	2
8490	1966	DODG	POLA	63113	1	4	2	3	2	3	3	4	4	2	4	3	1	3	3	2	3	4	4	4	3	1	0	11	9	1	2	2	2	2	2	1	2
8491	1968	FORD	MUST	99389	2	4	1	4	2	3	4	4	2	3	4	4	2	25	2	3	4	4	4	4	4	2	0	0	0	1	2	2	2	2	2	2	1
8492	1966	FORD	MUST	91515	2	4	4	3	1	4	3	4	1	3	4	3	1	20	1	3	3	4	3	4	3	3	0	0	19	1	2	2	2	2	2	1	2
8493	1966	FORD	STAW	123477	2	4	4	3	1	4	3	4	1	3	4	3	1	10	1	4	3	4	4	4	2	1	15	17	14	1	2	1	1	1	1	2	2
8494	1968	FORD	LTD	60102	1	4	2	3	1	3	3	3	4	3	4	3	1	8	3	3	3	4	4	4	3	1	12	17	12	1	2	2	2	2	2	1	2
8495	1967	FORD	LTD	55044	1	4	1	4	3	2	4	4	2	4	4	4	1	7	2	3	4	4	4	4	2	1	15	0	15	1	2	2	2	2	1	2	2
8496	1968	FORD	STAW	58777	2	3	2	3	2	3	4	4	1	3	4	3	1	10	1	3	3	4	4	4	4	1	14	0	0	1	2	2	2	2	2	1	2
8497	1966	FORD	MUST	83002	2	4	2	3	1	3	4	4	3	3	4	4	1	10	1	3	3	4	4	4	2	1	0	23	0	1	2	2	1	2	2	2	2
8498	1967	FORD	MUST	51301	2	4	2	3	2	4	4	4	2	3	4	4	1	6	2	4	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
8499	1968	FORD	FAIR	46040	1	4	2	3	2	4	4	4	2	3	4	4	1	1	3	2	4	4	4	4	3	1	0	0	0	1	2	2	2	2	1	2	2
8500	1968	FORD	STAW	68035	1	4	2	3	2	4	3	4	4	3	4	1	1	20	3	4	1	4	4	4	1	1	14	16	13	1	2	2	2	2	2	1	2
8501	1966	FORD	STAW	42433	2	4	2	3	3	2	4	4	3	3	4	3	1	4	2	3	3	4	4	3	3	2	0	0	0	1	2	2	2	2	2	1	2
8502	1967	LINC	CONT	212134	2	4	6	4	2	3	4	4	3	4	4	4	1	2	1	4	4	4	4	4	2	1	9	13	9	1	2	2	1	2	1	2	2
8503	1967	MERC	COUG	51346	1	4	2	4	3	3	4	4	4	3	4	1	1	10	1	3	3	4	4	4	1	2	0	0	0	1	2	2	2	2	2	1	2
8504	1967	OLDS	DLMN	87225	2	4	2	3	3	3	4	4	1	3	3	3	1	6	1	3	4	4	4	4	2	1	13	15	13	1	2	2	2	2	2	1	2
8505	1968	OLDS	NNTY	75915	1	4	2	3	2	3	3	4	4	2	4	3	1	8	2	3	3	4	4	4	4	1	12	14	12	1	2	2	2	2	2	1	2
8506	1968	OLDS	CUTL	75355	2	2	2	4	3	2	4	4	1	3	4	4	1	15	3	1	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	2	1
8507	1968	PLYM	STAW	66835	2	4	2	3	3	3	2	3	4	3	3	1	1	12	2	3	3	4	3	4	2	1	12	14	9	1	2	2	2	2	2	1	2
8508	1968	PLYM	VIP	94535	1	4	3	3	3	1	4	4	2	4	4	3	1	8	1	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
8509	1968	PLYM	STAW	55221	2	3	2	3	3	4	4	4	4	3	2	3	3	25	1	4	4	4	4	4	5	2	13	0	0	1	2	2	1	2	2	2	2
8510	1966	PLYM	VIP	66849	2	2	4	3	2	3	4	4	4	2	3	3	1	20	3	2	3	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
8511	1967	PONT	LEMA	164477	1	4	4	4	1	4	4	4	1	4	4	4	1	10	4	4	4	4	1	4	8	1	0	0	0	1	1	2	2	2	2	1	2
8512	1966	PONT	BONN	89263	2	4	2	3	2	4	3	4	2	3	4	4	2	15	1	3	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
8513	1968	PONT	LEMA	90480	2	4	3	3	3	3	2	3	3	3	4	3	3	30	3	3	2	4	4	4	4	3	15	0	0	1	2	2	2	2	2	2	1
8514	1967	PONT	CATA	101137	2	4	4	3	3	2	3	3	2	3	4	3	1	12	1	3	4	4	4	4	4	3	0	17	12	1	2	1	1	2	2	2	2
8515	1966	PONT	BONN	60125	2	2	3	3	1	3	4	4	2	3	4	4	1	10	2	3	4	4	4	4	6	1	12	12	10	1	2	2	2	2	2	1	2
8516	1966	VOLK	TRAN	63249	2	3	1	3	3	3	3	3	3	3	4	2	1	12	2	3	3	4	3	4	2	1	25	28	20	1	2	2	2	2	2	2	1
8517	1968	VOLK	TRAN	73847	2	4	3	3	3	3	3	3	3	3	4	3	1	5	3	3	3	3	3	4	4	4	18	19	17	1	2	1	2	2	2	2	2

APPENDIX B

LISTING OF TEST VEHICLE USE DATA

HOUSTON

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
7001	1976	CHEV	C10	11918	1	2	3	3	3	4	4	4	2	4	4	3	2	10	2	3	3	4	4	4	4	4	16	14	10	1	2	2	2	2	2	1	2
7002	1976	CHEV	C10	10278	1	2	3	3	3	3	3	3	2	3	4	3	2	10	1	4	4	4	4	4	2	1	0	0	0	5	2	2	2	2	2	1	2
7003	1976	CHEV	C10	11980	1	2	3	3	3	3	2	3	2	3	4	3	3	23	2	4	3	4	4	4	2	4	16	0	0	4	2	2	2	2	2	1	2
7004	1976	CHEV	C10	34238	1	2	6	2	4	4	3	3	2	3	4	3	3	65	2	3	3	3	3	3	4	4	0	18	0	4	1	2	2	2	2	1	2
7005	1976	DODG	D100	20852	1	2	5	3	2	3	3	3	3	4	2	4	3	8	1	4	4	4	4	4	10	4	0	0	0	1	2	2	2	2	2	1	2
7006	1976	DODG	VAN	11410	1	2	5	2	3	3	3	3	2	3	4	4	1	3	3	3	2	4	4	4	15	3	11	0	0	3	2	2	2	2	2	1	2
7007	1976	FORD	F100	13802	1	2	5	2	3	3	3	3	4	2	4	3	3	22	3	2	3	4	4	4	6	2	12	12	12	3	2	2	2	2	2	1	2
7008	1976	FORD	F100	13414	1	2	4	3	3	3	3	2	4	3	4	2	1	2	3	2	3	4	4	4	10	1	0	0	0	1	1	2	2	2	2	1	2
7009	1976	FORD	E100	13650	1	2	4	2	3	4	4	4	2	3	4	3	1	3	3	2	3	4	4	3	8	4	0	0	0	3	2	2	2	2	2	1	2
7010	1976	CHEV	LUV	2290	1	1	3	2	3	3	3	3	2	3	4	3	3	15	3	3	4	4	4	4	4	4	0	0	0	1	2	2	2	2	2	1	2
7011	1975	CHEV	C10	19369	1	3	3	3	2	3	3	2	2	3	4	3	1	5	3	3	4	3	4	4	3	1	11	12	0	4	2	2	2	2	2	1	2
7012	1975	CHEV	C10	17277	1	3	2	3	2	3	4	4	1	4	4	4	3	15	4	4	4	4	4	4	4	4	0	0	13	1	2	2	2	2	2	1	2
7013	1975	CHEV	C10	35644	1	3	5	2	3	3	3	3	2	3	4	3	3	3	2	3	3	4	4	4	6	4	10	0	8	4	2	2	2	2	2	1	2
7014	1975	DODG	VAN	21606	2	3	5	2	3	3	4	4	2	3	4	3	3	15	3	2	4	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
7015	1975	FORD	F100	26985	1	4	3	2	3	3	4	4	2	3	4	3	3	12	3	2	3	3	3	3	4	4	16	0	0	3	2	2	2	2	2	1	2
7016	1975	FORD	F100	27621	1	3	4	3	3	3	3	3	2	3	4	3	1	6	3	3	3	4	4	3	5	4	0	0	12	2	2	2	2	2	2	1	2
7017	1975	FORD	F100	20795	1	3	2	3	4	4	2	3	4	2	4	3	3	30	2	3	4	4	4	4	2	2	10	0	0	4	2	2	2	2	2	1	2
6018	1976	AMC	STAW	13282	1	3	3	3	3	3	2	3	3	3	2	3	3	30	3	2	3	4	4	4	5	1	0	19	16	1	2	2	2	2	2	1	2
6019	1976	BUIC	REGA	4061	1	2	2	2	3	4	4	4	2	4	3	3	3	30	3	4	4	4	4	4	14	3	12	15	12	1	2	2	2	2	2	1	2
6020	1976	BUIC	RIVI	28882	1	3	5	3	3	4	4	4	2	3	4	3	3	14	3	2	4	4	4	4	3	4	0	0	0	4	2	2	2	2	2	1	2
6021	1976	CADI	DEVI	8908	1	2	3	2	3	3	3	3	2	3	4	3	3	15	3	3	2	4	4	4	4	4	0	0	0	1	2	2	2	2	2	1	2
6022	1976	CHEV	IMPA	11668	1	2	3	3	3	4	3	4	2	3	4	4	2	12	2	3	3	4	4	4	4	1	13	15	12	1	2	2	2	2	2	1	2
6023	1976	CHEV	IMPA	11151	1	2	3	3	2	3	4	4	2	3	4	3	3	8	2	3	3	4	4	4	3	1	0	0	15	1	2	2	2	2	2	1	2
6024	1976	CHEV	MONZ	8176	1	2	2	3	2	3	4	4	2	3	4	3	2	15	2	3	4	4	4	4	3	4	20	0	0	1	2	2	2	2	2	1	2
6025	1976	CHEV	IMPA	9120	1	2	3	3	3	3	4	4	2	3	4	3	1	8	3	2	3	4	4	4	4	3	12	0	0	4	2	2	2	2	2	1	2
6026	1976	CHEV	MONT	9408	1	2	4	2	3	3	4	4	2	3	4	3	3	8	3	3	4	4	4	4	4	4	0	16	12	4	2	2	2	2	2	1	2
6027	1976	CHEV	NOVA	6994	1	2	3	2	3	3	3	3	2	3	4	3	3	15	2	3	4	4	4	4	4	1	15	0	0	1	2	2	2	2	2	1	2
6028	1976	CHEV	CHET	14206	1	2	3	3	2	3	4	4	2	3	4	3	3	8	2	3	4	4	4	4	2	1	30	0	0	1	2	2	2	2	2	1	2
6029	1976	DODG	STAW	8519	1	2	3	3	3	2	3	3	4	2	4	3	3	48	4	3	2	4	4	4	2	3	0	17	15	4	2	2	2	2	2	1	2
6030	1976	DODG	ASPE	10141	1	2	3	4	2	3	3	3	3	2	4	3	3	25	3	3	3	4	4	4	10	1	16	20	16	3	2	2	2	2	2	1	2
6031	1976	FORD	PINT	14294	1	2	3	2	3	3	4	4	2	3	4	3	3	12	3	2	4	4	4	4	3	3	0	0	0	1	2	2	2	2	2	1	2
6032	1976	FORD	LTD	5507	2	1	2	3	2	3	4	4	4	2	4	3	3	15	3	3	3	4	4	4	4	2	0	14	11	1	2	2	2	2	2	1	2
6033	1976	FORD	ELIT	11355	1	2	3	3	2	3	4	4	4	2	4	3	3	5	3	3	2	4	4	4	6	2	0	0	0	1	2	2	1	2	2	2	2
6034	1976	FORD	GRAN	9766	1	2	3	3	3	2	4	4	4	2	4	3	1	4	3	3	2	4	4	4	3	2	0	17	21	2	2	2	2	2	2	1	2
6035	1976	FORD	GRAN	12233	1	2	3	3	2	4	3	3	2	3	4	3	1	25	3	3	3	4	4	4	4	4	0	0	15	3	2	2	2	2	2	1	2
6036	1976	FORD	GRAN	27993	1	3	4	3	3	3	3	3	2	3	4	3	3	20	3	3	3	4	4	4	6	4	15	0	0	1	2	2	2	2	2	1	2
6037	1976	MERC	MARQ	10650	1	2	3	4	2	3	3	3	2	3	4	3	3	5	3	3	4	4	4	4	6	1	15	0	0	1	2	2	2	2	2	1	2
6038	1976	MERC	MONA	2402	1	1	2	3	2	3	4	4	3	2	4	4	3	4	3	3	4	4	4	4	4	2	13	17	15	1	2	2	2	2	2	1	2
6039	1976	OLDS	OMEG	8372	1	2	3	3	2	3	4	4	2	2	4	4	3	1	3	3	3	4	4	4	2	4	10	0	0	3	2	2	2	2	2	1	2
6040	1976	OLDS	CUTL	34405	1	3	6	2	3	3	4	4	2	3	4	3	3	15	3	3	2	4	4	4	4	4	21	0	0	4	2	2	2	2	2	1	2
6041	1976	OLDS	MNTY	17343	1	2	4	3	2	3	4	4	2	3	4	3	3	6	3	3	3	4	4	4	4	4	0	0	0	4	2	2	2	2	2	1	2
6042	1976	PLYM	STAW	12221	1	2	3	3	3	3	3	3	2	3	4	3	3	10	3	3	4	4	4	4	4	3	17	0	0	3	2	2	2	2	2	1	2
6043	1976	PLYM	STAW	4808	1	2	2	3	2	3	4	4	2	3	4	3	3	2	3	2	3	4	4	4	4	2	11	0	0	4	2	2	2	2	2	1	2
6044	1976	PONT	LEMA	3867	1	2	3	1	4	4	4	4	2	3	4	3	3	25	3	2	4	4	4	4	4	4	0	20	0	3	2.	2	2	2	2	1	2
6045	1976	PONT	GRNP	21993	1	2	5	2	3	3	4	4	2	3	4	3	3	10	2	3	4	4	4	4	3	3	0	17	14	4	2	2	2	2	2	1	2
6046	1976	DATS	B210	3912	1	1	3	4	2	3	4	4	1	4	4	4	2	9	3	2	4	4	4	4	2	1	20	0	0	1	2	2	2	2	2	1	2
6047	1976	DATS	STAW	11643	1	2	3	3	2	3	3	4	2	3	4	3	1	5	3	3	4	4	4	4	3	1	24	0	0	1	1	2	2	1	2	2	2
6048	1976	TOYO	CORO	9696	1	2	3	2	3	3	4	4	2	3	3	3	3	15	2	3	3	4	4	4	4	4	25	0	0	1	2	2	2	2	2	1	2
6049	1976	TOYO	CELI	2396	1	2	3	3	2	3	4	4	2	3	3	3	3	15	2	3	3	4	4	4	2	1	0	0	20	1	2	2	2	2	2	1	2
6050	1976	VOLK	STAW	7405	1	2	3	3	2	3	3	3	2	3	4	3	3	5	3	3	4	4	4	4	6	4	0	26	22	1	2	2	2	2	2	1	2
6051	1976	VOLK	RABB	13140	1	2	3	3	2	3	4	4	2	3	4	3	1	8	3	3	2	4	4	4	3	1	0	32	23	1	2	1	2	1	2	1	2
5052	1975	AMC	STAW	20532	1	3	2	2	3	3	4	4	2	3	4	3	3	5	3	2	3	4	4	4	2	3	0	0	0	1	2	2	2	2	2	1	2
5053	1975	BUIC	CNTY	34827	1	4	4	2	3	4	4	4	4	2	4	3	3	10	4	3	4	4	4	4	4	4	14	0	0	1	2	2	2	2	2	1	2
5054	1975	BUIC	STAW	16863	1	3	2	3	2	3	4	4	4	2	4	3	3	7	2	3	3	4	4	4	6	1	0	0	10	4	2	2	2	2	2	1	2
5055	1975	CADI	DEVI	42821	1	4	5	2	3	3	3	3	3	4	2	3	3	2	2	3	3	4	4	4	5	4	13	0	0	1	2	2	2	2	2	1	2
5056	1975	CHEV	VEGA	23283	1	4	2	2	3	3	4	4	1	4	4	4	1	3	4	3	4	4	4	4	4	4	21	0	0	3	2	2	2	2	2	1	2
5057	1975	CHEV	MONT	18718	1	3	3	2	3	3	4	4	2	3	4	3	1	7	2	3	3	4	4	4	2	4	0	0	0	3	2	2	2	2	2	1	2
5058	1975	CHEV	CAMA	16059	1	4	2	3	2	3	3	4	4	2	4	3	1	3	3	3	3	4	4	4	9	3	0	0	13	4	2	2	2	2	2	1	2
5059	1975	CHEV	CAPR	25636	1	3	5	3	3	3	4	4	2	3	3	3	3	15	3	3	4	4	4	4	5	4	15	0	0	3	2	2	2	2	2	1	2
5060	1975	CHEV	NOVA	32634	1	3	4	3	2	3	3	3	2	3	3	3	1	15	3	3	3	4	4	4	12	4	16	0	0	3	2	2	2	2	2	1	2
5061	1975	CHRY	CORD	43280	1	3	4	3	3	3	3	4	2	3	4	3	1	2	2	3	3	4	4	4	6	4	0	0	0	1	2	2	2	2	2	1	2
5062	1975	DODG	CHAR	14372	1	3	2	3	3	3	4	4	4	2	4	3	3	35	4	3	2	4	4	4	8	3	0	12	9	4	2	2	2	2	2	1	2
5063	1975	FORD	PINT	20162	1	3	3	2	3	4	4	4	1	4	4	4	3	6	1	3	4	4	4	4	4	4	0	0	0	1	1	2	2	2	2	1	2
5064	1975	FORD	LTD	62090	1	4	5	2	3	3	4	4	3	3	2	3	1	3	2	3	3	4	4	4	20	4	0	18	14	3	2	2	2	2	2	1	2
5065	1975	FORD	LTD	37331	1	3	4	3	3	3	3	3	3	3	3	3	3	10	3	3	2	4	4	4	5	4	0	17	0	1	2	2	2	2	2	1	2
5066	1975	FORD	GRAN	20097	2	2	2	4	4	3	2	3	2	3	4	4	3	3	3	3	4	4	4	4	2	1	16	0	0	3	2	2	2	2	2	1	2
5067	1975	FORD	GRAN	29988	1	3	3	3	2	3	4	4	2	3	4	3	3	30	3	3	4	4	4	4	4	4	16	0	0	1	2	2	2	2	2	1	2
5068	1975	MERC	MARQ	20583	1	3	3	3	2	3	4	4	4	2	4	3	3	6	3	3	4	4	4	4	5	3	0	12	0	1	2	2	2	2	2	1	2
5069	1975	OLDS	STAW	53169	1	3	5	3	3	3	4	4	3	4	2	4	3	10	1	4	4	4	4	4	10	4	0	16	14	1	2	2	2	2	2	1	2
5070	1975	OLDS	MNTI	36826	2	2	6	2	3	4	4	4	4	2	4	3	3	45	2	3	3	4	4	3	2	4	14	0	0	1	2	2	2	2	2	1	2
5071	1975	PLYM	VALI	21553	1	3	3	3	2	3	4	4	2	3	4	3	1	6	3	2	4	4	4	4	2	3	0	0	0	3	2	2	2	2	2	1	2
5072	1975	PLYM	FURY	32590	1	3	3	3	3	2	3	3	2	3	4	3	3	7	3	3	2	4	4	4	5	4	21	20	18	1	2	2	2	2	2	1	2
5073	1975	PONT	CATA	25856	1	3	3	2	3	3	4	4	2	3	4	3	3	8	3	2	3	4	4	4	6	1	12	15	10	3	2	2	2	2	2	1	2
5074	1975	PONT	LEMA	9750	1	3	1	3	2	3	4	4	4	2	4	3	3	10	3	3	2	4	4	4	2	2	0	17	0	2	2	2	2	2	2	1	2
5075	1975	DATS	B210	28776	1	3	5	2	3	3	3	4	3	3	4	3	3	12	2	3	4	4	4	4	4	4	31	27	25	1	2	2	2	2	2	1	2
5076	1975	TOYO	STAW	22829	1	3	3	2	3	4	4	4	2	3	4	3	1	3	2	3	4	4	4	4	4	4	20	25	0	1	2	2	2	2	2	1	2
5077	1975	TOYO	STAW	25518	1	3	4	3	3	3	3	3	4	2	4	3	3	16	3	3	2	4	4	4	8	4	0	30	25	1	2	2	2	2	2	1	2
5078	1975	VOLK	SEDA	36108	1	3	4	2	3	3	4	4	2	3	4	3	3	45	2	3	4	4	4	4	6	4	0	0	26	1	2	2	2	2	2	1	2
5079	1975	VOLK	RABB	27139	2	2	3	4	2	3	4	4	2	3	4	3	1	5	3	2	4	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
4080	1974	AMC	MATA	42488	1	4	3	2	3	3	3	3	2	3	4	3	3	18	2	3	3	4	4	4	2	1	0	14	11	1	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

HOUSTON

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
4081	1974	BUIC	ELEC	55516	1	4	5	2	4	4	3	4	4	3	4	3	3	3	4	2	4	4	4	3	2	1	15	16	12	1	2	2	2	2	2	1	2
4082	1974	CADI	DEVI	53073	1	3	5	3	3	2	3	3	4	2	4	3	1	4	2	3	4	4	4	4	4	4	0	13	10	1	2	2	2	2	2	1	2
4083	1974	CHEV	VEGA	37247	1	4	3	3	3	3	4	4	3	2	4	3	3	9	2	3	3	4	4	4	6	1	20	0	0	1	2	2	2	2	2	1	2
4084	1974	CHEV	MALI	32549	1	4	3	3	3	3	3	3	3	3	2	3	3	16	3	2	3	4	4	4	6	4	0	0	9	1	2	2	2	2	2	1	2
4085	1974	CHEV	NOVA	53980	1	3	4	2	3	3	3	3	2	3	4	3	3	20	3	2	3	4	4	4	4	4	20	0	0	1	2	2	2	2	2	1	2
4086	1974	CHEV	NOVA	21449	1	4	3	3	4	2	4	4	4	3	2	3	1	4	2	3	3	4	4	4	4	1	11	14	10	1	2	2	2	2	2	1	2
4087	1974	CHEV	MALI	29862	2	2	4	4	2	3	4	4	2	3	4	4	3	5	3	2	4	4	4	4	6	3	0	0	13	1	2	2	2	2	2	1	2
4088	1974	CHEV	STAW	64762	1	4	6	2	3	4	4	4	4	4	1	4	1	1	1	4	4	4	4	4	10	1	10	12	9	1	2	2	2	2	2	1	2
4089	1974	CHRY	NEWP	38331	1	4	3	2	3	3	4	4	2	3	4	3	3	40	2	3	4	4	4	4	2	4	0	16	12	1	2	2	2	2	2	1	2
4090	1974	DODG	MONA	17559	1	4	2	3	2	3	3	3	4	1	4	3	3	17	2	3	4	4	4	4	2	1	0	16	10	1	2	2	2	2	2	1	2
4091	1974	FORD	PINT	41278	1	4	5	2	3	4	4	4	2	3	4	3	3	2	2	3	3	4	4	4	2	4	19	0	0	1	2	2	2	2	2	1	2
4092	1974	FORD	MAVE	28302	1	4	3	3	2	3	4	4	4	2	4	3	1	5	3	3	2	4	4	3	4	1	13	17	13	1	2	2	2	2	2	1	2
4093	1974	FORD	MAVE	23797	1	4	3	3	3	2	4	4	4	1	4	4	3	5	2	3	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
4094	1974	FORD	LTD	21686	1	4	3	3	4	2	4	4	2	3	4	3	1	3	2	3	4	4	4	4	4	1	12	14	10	1	2	2	2	2	2	1	2
4095	1974	FORD	STAW	31176	1	4	3	3	3	3	4	4	4	2	4	3	3	7	3	3	2	4	4	4	4	3	0	0	0	1	2	2	2	2	2	1	2
4096	1974	MERC	COUG	28025	1	4	2	3	3	4	4	4	3	3	4	3	2	1	2	3	3	4	4	4	4	4	14	0	0	1	2	2	2	2	2	1	2
4097	1974	OLDS	STAW	37911	1	4	3	3	3	4	4	4	3	3	3	4	3	8	4	4	2	4	4	4	6	3	10	12	10	1	2	2	2	2	2	1	2
4098	1974	OLDS	CUTL	21504	1	4	2	2	3	4	4	4	2	4	4	3	1	1	4	2	4	4	4	3	4	1	0	0	0	1	2	2	2	2	2	1	2
4099	1974	PLYM	SATE	54134	1	4	5	2	3	3	4	4	4	2	3	3	3	7	2	3	3	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
4100	1974	PLYM	DUST	13308	2	4	2	3	2	3	4	4	2	3	4	3	3	10	2	3	4	4	4	4	2	2	0	22	17	1	2	2	2	2	2	1	2
4101	1974	PONT	CATA	50477	1	4	4	3	4	4	4	4	3	3	2	4	1	5	2	3	4	4	4	4	5	1	10	13	9	1	2	2	2	2	2	1	2
4102	1974	DATS	610	19080	1	3	3	3	2	3	4	4	2	3	4	3	3	7	4	4	1	4	4	4	5	2	0	21	17	1	2	2	2	2	2	1	2
4103	1974	TOYO	CORO	30610	1	3	3	2	3	3	4	4	4	2	4	4	3	10	4	1	4	4	4	4	2	1	0	0	21	1	2	2	2	2	2	1	2
4104	1974	TOYO	STAW	31648	1	4	4	2	3	3	3	3	4	2	4	3	1	28	3	3	2	4	4	4	4	4	0	25	22	1	2	2	2	2	2	1	2
4105	1974	VOLK	SEDA	52160	1	4	5	2	3	3	4	4	3	3	3	3	1	4	1	4	4	4	4	4	10	1	0	0	0	1	2	2	2	2	2	1	2
4106	1974	VOLK	SEDA	27950	1	4	3	3	4	2	4	4	1	4	4	3	3	15	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
3107	1973	AMC	HORN	32810	2	2	2	3	2	3	4	4	2	3	4	4	3	10	2	3	4	4	4	4	6	3	0	0	0	1	2	2	2	2	2	1	2
3108	1973	BUIC	ELEC	31069	2	2	2	2	3	3	4	4	2	3	4	3	3	10	2	3	4	4	4	4	4	4	0	0	12	1	2	2	2	2	2	1	2
3109	1973	BUIC	APOL	39341	2	2	5	3	2	3	3	3	3	3	2	4	1	40	2	3	3	4	4	3	12	4	15	0	0	1	2	2	2	2	2	1	2
3110	1973	CADI	DEVI	74635	1	4	4	2	3	3	3	3	3	3	2	3	3	35	2	3	4	4	4	4	12	1	0	11	10	1	2	2	2	2	2	1	2
3111	1973	CHEV	VEGA	32408	2	4	3	3	2	3	3	3	1	4	4	4	3	15	1	4	4	4	4	4	2	4	0	26	0	1	2	2	2	2	2	1	2
3112	1973	CHEV	MONT	58429	2	4	5	3	3	3	3	4	3	3	3	3	3	25	4	4	2	4	4	4	5	1	15	0	0	1	2	2	2	2	2	1	2
3113	1973	CHEV	NOVA	52871	1	4	4	2	3	3	3	3	2	3	4	3	1	11	3	2	3	4	4	4	4	4	0	23	18	1	2	1	2	2	2	2	2
3114	1973	CHEV	IMPA	96721	1	4	5	3	3	3	4	4	2	3	3	4	3	35	2	3	4	4	4	4	7	4	0	17	0	1	2	2	2	2	2	1	2
3115	1973	CHEV	IMPA	57403	2	2	3	3	2	3	4	4	4	2	4	3	1	6	2	3	3	4	4	4	2	3	13	0	0	1	2	2	2	2	2	1	2
3116	1973	DODG	DART	21585	1	4	2	2	3	3	4	4	2	3	4	3	3	8	4	3	2	4	4	4	2	2	0	20	0	1	2	2	2	2	2	1	2
3117	1973	FORD	PINT	69070	1	4	4	2	3	4	4	4	3	3	2	3	3	15	3	3	2	4	4	4	6	4	0	22	0	1	2	2	2	2	2	1	2
3118	1973	FORD	MUST	60732	1	4	5	3	2	3	4	4	2	3	4	4	3	15	2	3	4	4	4	4	4	1	0	17	13	1	2	2	2	2	2	1	2
3119	1973	FORD	MAVE	24014	2	2	3	2	3	3	4	4	3	3	3	3	3	12	3	2	4	4	4	4	8	4	15	0	0	1	2	2	2	2	2	1	2
3120	1973	FORD	LTD	63301	2	2	3	3	2	3	4	4	2	3	4	4	3	12	2	3	4	4	4	4	4	4	16	0	0	1	2	2	2	2	2	1	2
3121	1973	FORD	STAW	57548	1	4	4	2	3	4	4	4	4	4	1	4	3	6	1	4	4	4	4	4	6	4	0	15	0	1	2	2	2	2	2	1	2
3122	1973	MERC	MONT	48947	1	4	4	2	3	3	4	4	3	4	2	4	2	12	3	2	3	4	4	4	5	4	11	0	0	1	2	2	2	2	2	1	2
3123	1973	OLDS	CUTL	72218	2	3	4	2	3	3	4	4	2	3	4	3	3	10	2	3	4	4	4	4	4	4	0	0	10	1	2	2	2	2	2	1	2
3124	1973	OLDS	CUTL	49027	1	4	3	3	3	2	3	3	4	2	4	3	1	3	2	3	4	4	4	4	4	2	0	12	10	1	2	2	2	2	2	1	2
3125	1973	PLYM	SATE	58042	1	4	4	3	3	2	4	4	2	3	4	3	3	14	2	3	4	4	4	4	3	2	17	0	15	1	2	2	2	2	2	1	2
3126	1973	PLYM	SCAM	66418	1	4	2	2	3	3	4	4	2	3	4	3	1	12	3	2	4	4	4	4	3	3	0	19	0	1	2	2	2	2	2	1	2
3127	1973	PONT	CATA	40354	1	4	3	3	3	3	3	3	4	2	4	3	1	3	4	2	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
3128	1973	PONT	LEMA	33913	1	4	2	4	2	3	3	3	4	3	4	2	2	5	2	3	4	4	4	4	15	1	13	0	12	1	2	2	2	2	2	1	2
3129	1973	DATS	P1CK	61452	2	3	3	3	3	4	4	4	2	3	4	4	3	7	4	2	4	4	4	4	2	1	21	24	20	1	1	2	2	2	2	1	2
3130	1973	OPEL	GT	60474	2	3	3	3	2	3	3	3	2	3	4	3	3	8	2	3	4	4	4	4	4	4	0	25	20	1	2	2	2	2	2	1	2
3131	1973	TOYO	CORO	27497	1	4	2	3	2	4	4	4	2	3	4	4	3	25	1	4	4	4	4	4	3	1	22	26	20	1	2	2	1	2	2	2	2
3132	1973	VOLK	TRAN	47576	1	4	4	2	3	3	4	4	2	3	4	3	1	15	2	3	3	4	4	4	6	3	0	20	17	1	2	2	2	2	2	1	2
3133	1973	VOLK	SEDA	54660	1	4	3	2	3	3	3	3	2	3	4	3	3	8	3	2	4	4	4	4	4	4	0	26	23	1	2	2	2	2	2	1	2

APPENDIX B

LISTING OF TEST VEHICLE USE DATA

PHOENIX

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	P	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	GA	HD	CD	H	U	A	B	C	D	E	F
6018	1976	AMC	STAW	10637	1	2	4	4	2	3	4	4	4	2	4	3	1	8	3	2	3	4	4	4	2	1	0	0	15	1	2	2	2	2	2	1	2
6019	1976	BUIC	CNTY	22425	1	2	4	4	3	3	4	4	2	3	4	3	1	3	1	4	4	4	4	4	6	1	0	20	15	1	2	2	2	2	2	1	2
6020	1976	BUIC	ELEC	19397	1	3	4	2	3	3	4	4	4	3	4	2	1	5	3	2	3	4	4	4	4	1	12	14	10	1	2	2	2	2	2	1	2
6021	1976	CADI	ELDO	3979	1	2	5	3	3	3	4	4	4	3	2	3	1	2	2	3	3	4	4	4	6	4	0	0	0	1	2	2	2	2	2	1	2
6022	1976	CHEV	STAW	5694	1	2	2	4	2	3	4	4	4	4	3	4	1	6	2	3	4	4	4	4	6	1	0	14	0	1	2	2	2	2	2	1	2
6023	1976	CHEV	MALI	3625	1	2	2	3	2	3	4	4	4	2	4	3	1	8	3	3	2	4	4	3	6	1	0	0	13	1	2	2	2	2	2	1	2
6024	1976	CHEV	MONZ	5784	1	2	2	4	2	3	4	4	3	2	4	3	1	2	3	3	4	4	4	4	2	1	20	26	15	1	2	2	2	2	2	1	2
6025	1976	CHEV	STAW	15233	1	2	5	2	3	3	4	4	4	3	4	3	1	2	3	2	3	4	4	4	4	1	18	19	16	4	2	2	2	2	2	1	2
6026	1976	CHEV	MALI	19281	1	3	3	2	3	3	4	4	2	3	4	3	1	8	2	3	3	4	4	4	3	3	17	16	15	1	2	2	2	2	2	1	2
6027	1976	CHEV	NOVA	13546	1	3	3	3	2	3	4	4	2	3	4	3	1	1	3	4	4	4	4	4	4	1	18	20	15	1	2	2	2	2	2	1	2
6028	1976	CHEV	CHET	13318	1	2	3	3	3	3	4	4	2	3	4	3	1	5	2	3	3	4	4	4	8	4	30	0	0	1	2	2	2	2	2	1	2
6029	1976	DODG	ASPE	4411	1	2	2	4	3	2	4	4	4	3	4	2	1	6	3	2	3	4	4	4	4	1	0	0	14	1	2	2	2	2	2	1	2
6030	1976	DODG	ASPE	6524	1	2	2	3	3	3	4	4	4	2	4	3	1	4	2	3	4	4	4	4	2	4	16	0	0	4	2	2	2	2	2	1	2
6031	1976	FORD	STAW	11961	1	2	3	3	2	3	4	4	4	2	4	3	1	3	3	3	2	4	4	4	3	2	18	21	15	1	2	2	2	2	2	1	2
6032	1976	FORD	LTD	6582	1	2	2	4	2	3	4	4	2	3	4	3	1	5	2	3	3	4	4	4	2	1	0	0	12	1	2	2	2	2	2	1	2
6033	1976	FORD	TORI	14376	1	2	4	4	2	3	4	4	4	4	2	3	1	6	3	3	2	4	4	4	10	3	0	16	0	3	2	2	2	2	2	1	2
6034	1976	FORD	GRAN	24521	1	3	4	2	3	3	4	4	4	3	4	2	1	5	3	2	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
6035	1976	FORD	GRAN	15289	1	3	3	3	2	3	4	4	2	3	4	3	1	5	2	4	3	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
6036	1976	FORD	GRAN	14758	1	3	4	3	2	3	4	4	4	2	4	3	1	4	3	4	4	4	4	4	2	1	0	14	0	1	2	2	2	2	2	1	2
6037	1976	MERC	MONA	27760	1	3	4	4	2	3	4	4	3	4	2	4	1	6	2	3	4	4	4	4	7	1	12	15	11	3	2	2	2	2	2	1	2
6038	1976	MERC	MONA	18631	1	2	4	3	3	2	4	4	3	3	4	3	1	10	2	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
6039	1976	OLDS	OMEG	12547	1	2	3	3	3	3	3	4	4	3	4	3	1	6	1	4	4	4	4	4	5	1	0	16	25	3	2	2	2	2	2	1	2
6040	1976	OLDS	CUTL	32874	1	2	6	3	3	3	3	4	4	4	1	4	2	4	1	4	4	4	4	4	18	4	18	21	15	1	1	2	2	2	2	1	2
6041	1976	OLDS	TORO	7603	1	2	3	3	2	3	4	4	2	3	4	3	1	35	3	2	3	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
6042	1976	PLYM	VOLA	5008	1	2	2	3	2	3	4	4	4	2	4	3	1	4	3	2	4	4	4	4	2	1	18	21	17	1	2	2	2	2	2	1	2
6043	1976	PLYM	VOLA	9970	1	2	2	4	3	2	4	4	4	2	4	3	1	10	4	3	2	4	4	4	8	1	0	0	0	1	2	2	2	2	2	1	2
6044	1976	PONT	LEMA	13993	2	2	4	2	3	3	4	4	2	3	4	3	1	5	2	3	3	4	4	4	2	4	18	0	0	3	2	2	2	2	2	1	2
6045	1976	PONT	GRNP	12995	1	3	3	4	3	2	4	4	3	3	4	3	1	5	2	3	4	4	4	4	2	4	14	0	0	1	2	2	2	2	2	1	2
6046	1976	DATS	B210	11884	1	2	3	3	2	3	4	4	2	3	4	3	1	1	2	3	4	4	4	4	4	3	33	35	30	1	2	2	2	2	2	1	2
6047	1976	DATS	PICK	7791	1	2	2	3	2	3	4	4	2	4	4	3	1	2	2	3	4	4	4	4	6	2	0	0	18	1	2	2	2	2	2	1	2
6048	1976	TOYO	CORO	1921	1	1	4	4	2	3	4	4	2	3	4	3	1	5	3	3	3	4	4	4	6	2	25	0	0	1	2	2	2	2	2	1	2
6049	1976	TOYO	CELI	20703	1	3	4	3	3	3	4	4	2	3	4	3	2	6	2	3	3	4	4	4	8	4	23	25	22	1	2	2	2	2	2	1	2
6050	1976	VOLK	RABB	11609	1	2	3	3	3	3	4	4	2	3	4	3	1	2	3	2	4	4	4	4	2	4	35	37	30	1	2	2	2	2	2	1	2
6051	1976	VOLK	RABB	9356	1	2	4	2	3	3	4	4	2	3	4	3	1	2	2	3	3	4	4	4	2	3	0	0	0	1	2	2	2	2	2	1	2
6201	1976	AMC	HORN	7547	1	3	2	3	3	2	4	4	4	2	4	3	1	12	3	2	3	4	4	4	2	1	0	0	16	1	2	2	2	2	2	1	2
6202	1976	AMC	STAW	4426	1	2	2	4	2	3	4	4	4	2	4	3	1	5	4	3	2	4	4	4	5	2	0	0	0	1	2	2	2	2	2	1	2
6203	1976	AMC	MATA	16536	1	3	2	3	2	3	4	4	2	3	4	3	1	4	1	3	4	4	4	4	2	1	0	0	15	1	2	2	2	2	2	1	2
6204	1976	AMC	PACE	22766	1	3	3	4	3	2	4	4	3	3	4	3	1	8	2	3	4	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
6205	1976	BUIC	CNTY	19429	1	3	3	3	3	3	4	4	2	3	4	3	1	15	3	3	4	4	4	4	5	4	0	0	0	1	2	2	2	2	2	1	2
6206	1976	BUIC	LESA	20143	2	2	4	3	2	3	4	4	4	2	4	3	1	5	2	3	4	4	4	4	4	3	20	0	18	1	2	2	2	2	2	1	2
6207	1976	BUIC	CNTY	18009	1	2	4	2	3	3	4	4	2	3	4	3	1	7	2	3	3	4	4	4	3	3	0	19	0	2	2	2	2	2	2	1	2
6208	1976	BUIC	ELEC	15497	1	2	3	4	2	3	4	4	4	2	4	3	1	6	1	4	4	4	4	4	4	1	15	16	13	1	2	2	2	2	2	1	2
6209	1976	BUIC	CNTY	5328	1	2	2	3	3	3	3	4	4	3	4	2	1	3	2	3	4	4	4	4	4	2	0	16	12	2	2	2	2	2	2	1	2
6210	1976	BUIC	CNTY	18063	1	2	3	4	3	2	4	4	4	4	1	4	1	5	1	4	4	4	4	4	40	3	0	0	0	2	2	2	2	2	2	1	2
6211	1976	BUIC	SKYL	18434	1	2	4	3	3	3	4	4	2	3	4	3	1	6	2	3	3	4	4	4	4	3	18	0	0	1	2	2	2	2	2	1	2
6212	1976	CADI	SEVI	7923	1	3	3	4	2	3	4	4	3	3	3	3	1	12	4	3	2	4	4	4	8	1	0	0	0	1	2	2	2	2	2	1	2
6213	1976	CADI	DEVI	35341	1	2	6	3	3	3	4	4	3	4	2	4	1	4	2	3	4	4	4	4	10	4	15	16	13	1	2	2	2	2	2	1	2
6214	1975	CADI	ELDO	5882	1	2	2	3	2	3	4	4	2	3	4	3	1	5	2	3	4	4	4	4	3	2	12	0	0	1	2	2	2	2	2	1	2
6215	1976	CADI	DEVI	6071	1	2	3	3	3	3	3	4	4	2	4	3	2	15	2	4	4	4	4	4	2	1	15	0	0	1	2	2	2	2	2	1	2
6216	1976	CHEV	CHET	9060	1	2	3	4	3	2	4	4	3	3	4	3	1	4	4	3	4	4	4	4	8	1	0	0	0	4	2	2	2	2	2	1	2
6217	1976	CHEV	IMPA	17001	1	2	3	4	2	3	4	3	4	2	4	3	1	5	3	2	4	4	4	4	5	1	13	15	13	1	2	2	2	2	2	1	2
6218	1976	CHEV	MALI	25331	2	2	4	3	2	3	4	4	2	3	4	3	1	3	2	3	4	4	4	4	5	3	0	0	18	3	2	2	2	2	2	1	2
6219	1976	CHEV	MONT	14859	1	2	4	4	3	2	4	4	3	3	4	3	1	5	3	4	4	4	4	4	2	4	0	0	0	1	2	2	2	2	2	2	1
6220	1976	CHEV	NOVA	17938	2	2	2	3	3	3	4	4	4	2	4	3	1	5	3	3	3	4	4	4	2	1	0	0	15	4	2	2	2	2	2	1	2
6221	1976	CHEV	MONT	10899	1	2	3	3	3	3	4	4	3	3	4	3	1	5	3	2	4	4	4	4	10	1	0	0	13	1	2	2	2	2	2	1	2
6222	1976	CHEV	CAMA	4768	1	2	2	4	2	3	4	4	4	3	4	2	1	4	3	2	4	4	4	4	2	1	14	17	13	1	2	2	2	2	2	1	2
6223	1976	CHEV	CAPR	7366	1	2	2	4	3	2	4	4	4	2	4	3	1	4	1	4	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
6224	1976	CHEV	STAW	8319	1	2	3	4	2	3	4	3	2	3	4	4	1	4	2	3	3	4	4	4	5	1	0	0	0	4	2	2	2	2	2	1	2
6225	1976	CHEV	IMPA	13091	1	2	3	3	2	3	4	4	4	2	4	3	1	2	3	3	3	4	4	4	4	1	0	18	15	1	2	2	2	2	2	1	2
6226	1976	CHEV	MONT	8008	1	3	2	4	2	3	4	4	4	2	4	3	1	5	1	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
6227	1976	CHEV	MONT	7003	1	2	3	3	2	3	4	4	2	3	4	3	1	4	3	2	3	4	4	4	10	3	0	18	12	1	2	2	2	2	2	1	2
6228	1976	CHEV	VEGA	24692	1	2	5	3	2	3	4	4	2	3	4	3	1	5	2	3	4	4	4	4	10	4	28	30	25	1	2	2	2	2	2	1	2
6229	1976	CHEV	MONZ	11594	1	2	3	2	3	3	4	4	2	3	4	3	1	2	2	3	4	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
6230	1976	CHEV	NOVA	17884	1	2	4	3	3	3	4	4	2	3	4	3	1	1	2	3	4	4	4	4	4	2	13	0	0	1	2	2	2	2	2	1	2
6231	1976	CHEV	MALI	11311	1	3	2	4	3	2	4	4	3	3	3	3	3	9	2	3	4	4	4	4	3	4	0	0	0	1	2	2	2	2	2	1	2
6232	1976	CHEV	MALI	11069	1	2	3	3	2	3	4	4	2	3	4	3	1	2	2	3	3	4	4	4	4	1	0	0	12	1	2	2	2	2	2	1	2
6233	1976	CHEV	MONT	22529	2	2	2	3	2	3	4	4	4	2	4	3	1	4	2	3	4	4	4	4	3	1	0	19	0	1	2	2	2	2	2	1	2
6234	1976	CHEV	CAMA	29019	1	2	5	3	3	3	4	4	4	3	2	3	1	6	2	3	4	4	4	4	20	4	0	0	0	1	2	2	2	2	2	1	2
6235	1976	CHEV	STAW	13090	1	3	2	3	2	3	4	4	2	3	4	3	1	6	2	3	3	4	4	4	4	1	0	0	0	4	2	1	2	2	2	2	2
6236	1976	CHEV	MONT	15847	1	3	2	3	2	3	4	4	2	3	4	3	1	10	3	2	3	4	4	4	5	4	15	0	0	3	2	2	2	2	2	1	2
6237	1976	CHEV	NOVA	20287	1	3	3	4	3	2	4	4	3	3	4	3	1	12	3	3	4	4	4	4	4	1	0	0	19	4	2	2	2	2	2	1	2
6238	1976	CHEV	STAW	8788	1	2	3	3	2	3	4	4	3	2	4	3	1	6	3	3	2	4	4	4	2	2	0	0	0	1	2	2	2	2	2	1	2
6239	1976	CHEV	NOVA	13108	1	3	3	4	3	2	4	4	3	3	4	3	1	5	2	3	4	4	4	4	4	1	16	0	0	1	2	2	2	2	2	1	2
6240	1976	CHRY	CORD	12117	1	3	2	4	3	2	4	4	4	2	4	3	3	20	3	3	4	4	4	3	4	3	0	0	0	1	2	2	2	2	2	1	2
6241	1976	CHRY	NEWP	12804	2	2	4	3	2	3	3	4	2	3	4	3	1	1	2	3	4	4	4	4	3	1	15	17	13	1	2	2	2	2	2	1	2
6242	1976	DODG	ASPE	9619	1	2	4	4	2	3	4	4	2	3	4	3	1	3	3	3	2	4	4	4	10	1	0	0	15	1	2	2	2	2	2	1	2
6243	1976	DODG	CHAR	17450	1	2	5	4	3	4	2	4	4	4	4	1	3	25	4	1	4	4	4	4	10	1	0	19	16	1	2	2	2	2	2	1	2
6244	1976	DODG	ASPE	12795	1	2	3	4	3	2	4	4	3	3	4	3	1	4	2	3	4	4	4	4	4	2	0	0	0	4	2	2	2	2	2	1	2
6245	1976	DODG	CHAR	32857	1	2	6	4	4	4	1	4	1	4	4	4	1	8	1	4	4	4	4	4	6	4	16	16	0	4	2	2	2	2	2	1	2
6246	1976	DODG	DART	24354	1	3	5	3	3	2	3	4	3	3	3	3	1	10	2	3	4	4	4	4	6	1	15	0	0	2	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

PHOENIX

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
6247	1976	DODG	DART	13488	2	2	2	4	2	3	4	4	2	3	4	3	1	2	2	3	4	4	4	4	4	1	0	0	16	1	2	2	2	2	2	1	2
6248	1976	FORD	LTD	7147	1	2	3	4	2	3	3	3	2	3	4	3	1	5	2	3	4	4	4	4	6	1	13	17	12	1	2	2	2	2	2	1	2
6249	1976	FORD	ELIT	10781	1	2	3	3	3	3	4	4	3	3	4	3	1	3	3	2	4	4	4	4	10	4	17	0	0	1	2	2	2	2	2	1	2
6250	1976	FORD	MAVE	7288	1	3	2	4	2	3	4	4	4	2	4	3	1	15	2	3	4	4	4	4	1	1	0	0	16	3	2	2	2	2	2	1	2
6251	1976	FORD	STAW	14813	1	2	4	4	2	3	4	4	3	3	4	3	2	10	2	3	3	4	4	4	2	1	0	0	13	3	2	2	2	2	2	1	2
6252	1976	FORD	STAW	13095	1	2	4	2	3	3	4	4	2	3	4	4	1	5	3	2	3	4	4	4	6	4	24	0	0	1	2	2	2	2	2	1	2
6253	1976	FORD	GRAN	7303	1	2	3	3	2	3	4	4	2	3	4	3	1	3	2	3	4	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
6254	1976	FORD	GRAN	15669	1	2	4	3	3	3	4	4	4	2	4	3	1	3	3	2	4	4	4	4	6	1	17	19	14	1	2	2	2	2	2	1	2
6255	1976	FORD	STAW	8728	1	2	3	4	2	3	4	4	2	3	4	3	1	3	2	3	3	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
6256	1976	FORD	ELIT	14287	1	3	3	3	3	3	4	4	2	3	4	3	1	6	2	3	4	4	4	4	4	4	0	0	0	1	2	2	2	2	2	1	2
6257	1976	FORD	MUST	15101	1	2	4	3	3	3	4	4	4	2	4	3	1	5	1	4	4	3	4	4	2	1	26	0	0	3	2	2	2	2	2	1	2
6258	1976	FORD	GRAN	5778	1	2	3	4	2	3	4	4	2	3	4	3	1	7	2	3	4	4	4	4	4	2	0	0	15	1	2	2	2	2	2	1	2
6259	1976	FORD	PINT	16964	1	2	4	4	2	3	4	4	2	3	4	3	1	6	2	3	3	4	4	4	6	1	0	0	25	1	2	2	2	2	2	1	2
6260	1976	FORD	STAW	9028	1	2	3	3	2	3	4	4	2	3	4	3	1	6	3	2	3	4	4	4	5	2	0	0	10	1	2	2	2	2	2	1	2
6261	1976	FORD	TORI	10121	1	2	5	3	2	3	4	4	2	3	3	3	1	19	2	3	4	4	4	4	10	4	0	19	16	1	2	2	2	2	2	1	2
6262	1976	FORD	LTD	5800	1	2	2	3	3	2	4	4	3	3	4	3	1	7	2	4	3	4	4	4	3	1	11	0	0	1	2	2	2	2	2	1	2
6263	1976	FORD	MUST	7229	1	2	2	4	2	3	4	4	2	3	4	3	1	8	2	3	3	4	4	4	4	2	0	0	15	1	2	2	2	2	2	1	2
6264	1976	FORD	LTD	3031	1	2	2	3	2	3	4	4	4	2	4	3	1	5	3	2	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
6265	1976	FORD	ELIT	12005	1	2	3	3	2	3	4	4	2	3	4	3	1	3	3	2	3	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
6266	1976	FORD	GRAN	5361	1	2	3	3	2	3	4	4	2	3	4	3	1	6	2	3	4	4	4	4	4	3	0	0	14	1	2	2	2	2	2	1	2
6267	1976	FORD	MUST	7953	1	3	2	4	3	2	4	4	3	3	4	3	1	3	1	4	4	4	4	4	3	2	20	0	0	1	2	2	2	2	2	1	2
6268	1976	LINC	MRK4	4704	1	2	3	4	2	3	4	4	2	3	4	3	1	8	2	3	4	4	4	4	2	1	0	0	10	4	2	2	2	2	2	1	2
6269	1976	LINC	MRK4	26276	2	2	1	3	3	2	4	4	4	2	4	3	1	3	3	2	4	4	4	4	2	1	0	14	11	1	2	2	2	2	2	1	2
6270	1976	MERC	MONA	25294	1	2	5	3	3	3	2	4	4	3	4	2	3	40	4	1	4	4	4	4	4	1	20	0	0	1	2	2	2	2	2	1	2
6271	1976	MERC	MARQ	14021	1	2	4	4	3	3	3	4	4	3	3	3	1	13	3	2	4	4	4	4	6	1	14	15	13	3	2	2	2	2	2	1	2
6272	1976	MERC	MONA	11890	1	3	2	3	2	3	3	4	4	2	4	3	1	12	3	3	3	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
6273	1976	MERC	MONG	11968	1	3	3	3	3	3	3	4	3	3	4	3	1	10	3	3	3	4	4	4	4	1	0	0	11	2	2	2	2	2	2	1	2
6274	1976	MERC	MONA	19863	1	3	4	4	3	3	2	4	2	3	4	4	1	3	2	3	4	4	4	4	8	2	0	16	0	1	2	2	2	2	2	1	2
6275	1976	OLDS	CUTL	19043	1	2	3	3	2	3	4	4	2	3	4	3	1	5	3	2	3	4	4	4	4	1	0	0	10	4	2	2	2	2	2	1	2
6276	1976	OLDS	CUTL	7719	1	2	2	4	3	2	4	4	4	2	4	3	1	5	4	3	2	4	4	4	4	1	0	18	0	4	3	2	2	2	2	1	2
6277	1976	OLDS	OMEG	9488	1	2	3	3	2	3	4	4	2	3	4	3	1	5	1	4	4	4	4	4	2	4	16	0	0	1	2	2	2	2	2	1	2
6278	1976	OLDS	CUTL	5204	1	2	2	4	2	3	4	4	4	2	4	3	1	5	2	3	4	4	4	4	2	1	16	19	14	1	2	2	2	2	2	1	2
6279	1976	OLDS	NNTY	16099	1	2	5	2	3	3	4	4	2	3	4	3	1	10	2	3	3	4	4	4	4	3	14	15	13	1	2	2	2	2	2	1	2
6280	1976	OLDS	CUTL	7962	1	3	2	4	2	3	4	4	4	2	4	3	1	6	2	3	3	4	4	4	2	2	0	17	14	1	2	2	2	2	2	1	2
6281	1976	OLDS	STAW	17210	1	2	4	4	2	3	4	4	4	2	4	3	1	5	3	3	2	4	4	4	8	2	0	17	15	1	2	2	2	2	2	1	2
6282	1976	OLDS	CUTL	13583	1	2	3	3	2	3	4	4	2	4	3	4	1	6	2	3	4	4	4	4	20	4	0	0	0	1	2	2	2	2	2	1	2
6283	1976	OLDS	NNTY	5557	1	2	3	4	2	3	4	4	3	3	4	3	1	4	3	3	2	4	4	4	3	1	16	0	0	1	2	2	2	2	2	1	2
6284	1976	PLYM	STAW	4970	1	2	1	3	2	3	4	4	4	2	4	3	1	3	3	2	3	4	4	4	2	1	0	17	0	1	2	2	2	2	2	1	2
6285	1976	PLYM	VOLA	3498	1	2	2	4	2	3	4	4	2	3	4	4	1	5	1	4	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
6286	1976	PLYM	FURY	46728	1	3	6	4	3	4	2	4	4	4	1	4	1	4	1	4	4	4	4	4	8	1	0	0	0	3	2	2	2	2	2	1	2
6287	1976	PLYM	STAW	8075	1	2	4	3	3	3	4	4	2	3	4	3	1	8	4	3	2	4	4	4	3	4	20	26	17	4	2	2	2	2	2	1	2
6288	1976	PLYM	STAW	12196	1	2	3	3	3	2	4	4	3	3	4	3	1	7	3	2	4	4	4	4	5	1	14	0	0	1	2	2	2	2	2	1	2
6289	1976	PLYM	VOLA	15863	1	2	4	3	3	3	3	4	4	2	4	3	3	23	3	2	4	4	4	4	3	1	0	22	0	1	2	2	2	2	2	1	2
6290	1976	PLYM	VOLA	10905	1	2	4	2	3	3	4	4	3	2	4	3	1	4	3	2	4	4	4	4	6	4	0	0	0	1	2	2	2	2	2	1	2
6291	1976	PONT	STAW	11063	1	2	2	4	2	3	4	4	2	3	4	3	1	1	3	2	3	4	4	4	6	1	0	0	0	3	2	2	2	2	2	1	2
6292	1976	PONT	CATA	4669	1	2	2	4	2	3	4	4	4	2	4	3	1	6	3	2	4	4	4	4	4	1	0	0	9	3	2	2	2	2	2	1	2
6293	1976	PONT	LEMA	15568	1	2	4	3	2	3	4	4	4	2	4	3	1	25	3	3	2	4	4	4	6	3	0	18	0	1	2	2	2	2	2	1	2
6294	1976	PONT	VENT	2218	1	2	1	4	2	3	4	4	4	2	4	3	1	8	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
6295	1976	PONT	BONN	3670	1	2	2	4	3	3	3	4	4	3	4	2	1	7	3	2	4	4	4	4	2	1	12	14	11	3	2	2	2	2	2	1	2
6296	1976	PONT	GRNP	23128	1	2	4	3	2	4	4	4	3	3	4	3	2	15	1	4	4	4	4	4	5	1	16	12	0	1	2	2	2	2	2	1	2
6297	1976	PONT	LEMA	3749	1	2	1	4	2	3	4	4	2	3	4	3	1	2	1	4	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
6298	1976	PONT	VENT	14185	1	2	4	3	3	3	4	4	3	3	3	3	1	1	1	4	4	4	4	4	12	2	0	0	0	1	2	2	2	2	2	1	2
6299	1976	CAPR	GHIA	17513	1	3	2	3	2	3	4	4	2	3	4	3	1	4	2	3	4	4	4	4	2	4	22	0	0	1	2	2	2	2	2	1	2
6300	1976	COLT	SEDA	11835	1	3	3	4	4	1	4	4	4	4	1	4	1	4	1	4	4	4	4	4	10	1	26	30	25	1	2	2	2	2	2	1	2
6301	1976	DATS	B210	19869	1	2	4	3	2	3	4	4	2	3	4	3	1	5	2	3	4	4	4	4	6	2	30	35	27	1	2	2	2	2	2	1	2
6302	1976	DATS	STAW	6581	1	2	4	3	2	3	4	4	4	2	4	3	1	2	3	2	3	4	4	4	10	2	25	29	23	1	2	2	2	2	2	1	2
6303	1976	DATS	B210	18240	1	2	4	3	3	3	4	4	2	3	4	3	2	7	2	3	4	4	4	4	3	4	0	30	0	1	2	2	2	2	2	1	2
6304	1976	FIAT	X1/9	5859	1	2	2	4	2	3	4	4	2	3	4	3	1	4	2	3	4	4	4	4	3	2	25	29	21	1	2	2	2	2	2	1	2
6305	1976	FIAT	124	8248	1	2	2	3	2	3	4	4	2	3	4	3	1	2	2	3	4	4	4	4	3	2	22	25	20	1	2	2	2	2	2	1	2
6306	1976	HOND	CIVI	11149	1	2	3	4	2	3	4	4	2	3	4	3	1	7	2	3	3	4	4	4	6	4	30	41	30	1	2	2	2	2	2	1	2
6307	1976	HOND	CIVI	7052	1	2	3	3	2	3	4	4	4	2	4	3	1	8	2	3	4	4	4	4	6	2	0	0	29	1	2	2	2	2	2	1	2
6308	1976	MAZD	MIZE	10166	1	3	2	3	3	2	4	4	3	3	4	3	1	7	3	2	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
6309	1976	TOYO	CELI	9214	1	2	3	4	2	3	4	4	2	3	4	3	1	4	3	2	4	4	4	4	4	4	0	0	21	1	2	2	2	2	2	1	2
6310	1976	TOYO	CORO	12934	1	2	3	3	2	3	4	4	3	3	2	3	1	7	2	3	4	4	4	4	20	4	30	33	26	1	2	2	2	2	2	1	2
6311	1976	TOYO	CELI	10331	1	2	3	3	2	3	4	4	2	3	4	3	1	7	3	2	3	4	4	4	2	1	25	35	20	1	2	2	2	2	2	1	2
6312	1976	TOYO	STAW	13445	1	2	5	4	2	3	4	4	2	3	4	3	1	5	3	3	2	4	4	4	10	2	0	0	23	1	2	2	2	2	2	1	2
6313	1976	VOLK	STAW	5083	1	2	3	3	3	3	3	4	3	3	3	3	1	2	3	2	4	4	4	4	3	3	0	32	27	1	2	2	2	2	2	1	2
6314	1976	VOLK	RABB	12878	1	2	4	2	3	3	4	4	2	3	4	3	1	5	3	2	3	4	4	4	4	4	0	0	0	1	2	2	2	2	2	1	2
6315	1976	VOLK	SEDA	8130	1	2	4	3	2	3	4	4	4	2	3	4	1	4	2	3	3	4	4	4	2	1	0	22	0	1	2	2	2	2	2	1	2
6316	1976	VOLV	264G	3313	1	2	2	4	2	4	3	4	4	2	4	3	2	12	4	2	3	4	4	4	1	1	0	20	15	1	2	2	2	2	2	1	2
6710	1976	MERB	300D	26921	1	3	5	3	3	3	3	4	3	3	3	3	1	4	2	3	4	4	4	4	4	1	23	0	0	1	2	2	2	2	2	1	2
6713	1977	MERB	300D	2051	1	1	3	3	3	3	3	3	3	3	3	3	2	10	2	3	3	4	4	4	5	2	0	0	0	1	2	2	2	2	2	2	1
6714	1977	MERB	240D	2939	1	1	3	3	3	3	3	3	3	3	3	3	2	10	2	3	4	4	4	4	5	2	0	0	0	1	2	2	2	2	2	2	1
5052	1975	AMC	STAW	22289	1	3	3	4	2	3	4	4	4	2	4	3	1	16	4	3	2	4	4	4	2	3	0	0	19	1	2	2	2	2	2	1	2
5053	1975	BUIC	CNTY	29566	1	3	4	3	3	2	4	4	2	3	4	3	1	3	3	2	3	4	4	4	2	1	0	0	0	3	2	2	2	2	2	1	2
5054	1975	BUIC	LESA	32149	2	2	4	3	2	3	4	4	2	3	4	3	1	6	3	3	2	4	4	4	5	2	13	16	11	1	2	2	2	2	2	1	2
5055	1975	CADI	DEVI	33438	2	3	3	3	2	3	4	4	2	3	4	3	1	7	3	2	4	4	4	4	12	2	13	13	12	3	2	2	2	2	2	1	2
5056	1975	CHEV	VEGA	24374	1	4	3	4	2	3	4	4	2	3	4	4	1	6	1	4	4	4	4	4	1	1	20	23	19	2	2	2	2	1	2	1	2
5057	1975	CHEV	MONT	17232	1	3	3	4	2	3	4	4	2	3	4	3	1	2	3	2	3	4	4	4	6	2	0	0	13	1	2	2	2	2	2	1	2
5058	1975	CHEV	IMPA	15060	1	3	2	2	3	3	4	4	2	3	4	4	1	9	3	3	2	4	4	4	2	2	11	0	0	4	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

PHOENIX

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	GA	HD	CD	H	U	A	B	C	D	E	F
5059	1975	CHEV	CAPR	17817	1	4	2	3	2	3	4	4	4	2	4	3	1	[illegible]	3	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
5060	1975	CHEV	NOVA	21052	1	3	3	3	2	3	4	4	4	2	4	4	1	20	3	3	4	4	4	4	4	2	0	0	0	4	2	2	2	2	2	1	2
5061	1975	CHRY	NEWP	17696	1	3	2	4	2	3	4	4	4	3	4	3	1	8	3	3	3	4	4	4	5	1	0	0	13	3	2	2	2	2	2	1	2
5062	1975	DODG	DART	15988	1	3	3	3	2	3	4	4	4	2	4	3	1	9	3	3	4	4	4	4	2	2	0	18	0	1	2	2	2	2	2	1	2
5063	1975	FORD	STAW	22115	1	3	3	3	3	2	3	4	3	3	4	3	1	1	2	3	4	4	4	4	6	1	0	26	19	1	2	2	2	2	2	1	2
5064	1975	FORD	STAW	32027	2	2	2	4	1	4	4	4	4	2	4	3	1	12	4	3	4	4	4	4	2	1	0	14	0	5	2	2	2	2	2	1	2
5065	1975	FORD	LTD	44614	1	3	5	3	3	3	4	4	3	4	2	4	1	5	3	3	3	4	4	4	30	4	12	14	10	1	2	2	2	2	2	1	2
5066	1975	FORD	GRAN	28935	1	3	4	2	3	3	4	4	2	3	4	3	1	9	3	3	2	4	4	4	8	4	22	25	20	2	2	2	2	2	2	1	2
5067	1975	FORD	GRAN	30909	1	4	4	3	2	3	4	4	2	3	4	3	1	4	2	3	3	4	4	4	4	2	15	17	14	1	2	2	2	2	2	1	2
5068	1975	MERC	MARQ	30183	1	3	4	3	2	3	4	4	3	3	2	3	2	10	3	3	3	4	4	4	15	1	0	14	0	1	2	2	2	2	2	1	2
5069	1975	OLDS	CUTL	19777	1	3	3	2	3	3	4	4	3	3	4	3	1	7	3	3	3	4	4	4	3	3	0	0	15	1	2	2	2	2	2	1	2
5070	1975	OLDS	DELT	36999	1	4	3	3	3	4	2	3	4	3	4	3	1	45	3	2	4	4	4	4	4	4	14	17	12	1	2	2	2	2	2	1	2
5071	1975	PLYM	VALI	28648	1	3	3	3	3	2	3	4	3	3	4	3	1	6	2	3	4	4	4	4	4	1	0	21	16	2	2	2	2	2	2	1	2
5072	1975	PLYM	VALI	21982	1	3	2	4	2	3	4	4	4	2	4	3	1	11	2	3	3	4	4	4	7	1	0	0	11	1	2	2	2	2	2	1	2
5073	1975	PONT	STAW	40814	2	3	5	3	2	3	4	4	2	3	4	3	1	8	3	3	3	4	4	4	6	2	0	0	12	3	2	2	2	2	2	1	2
5074	1975	PONT	CATA	42614	1	3	5	3	3	3	4	4	2	3	4	3	1	5	2	3	3	4	4	4	6	4	0	15	0	1	2	2	2	2	2	1	2
5075	1975	DATS	SEDA	15793	1	3	3	4	2	3	4	4	2	3	4	4	1	12	2	3	4	4	4	4	2	1	30	33	29	1	2	2	2	2	2	1	2
5076	1975	TOYO	CORO	15821	1	3	3	4	2	3	4	4	4	2	4	3	1	30	2	3	4	4	4	4	3	1	17	19	16	1	2	2	2	2	2	1	2
5077	1975	TOYO	CORO	30704	1	3	3	4	2	3	4	4	2	3	4	3	1	8	2	2	4	4	4	4	2	1	21	25	20	1	2	2	2	2	2	1	2
5078	1975	VOLK	RABB	12408	1	3	2	3	2	3	4	4	3	3	4	3	1	5	3	2	4	4	4	4	6	2	0	0	0	1	2	2	2	2	2	1	2
5079	1975	VOLK	RABB	20855	1	3	4	4	2	4	3	4	3	3	4	3	1	20	4	3	3	4	4	4	2	4	31	32	29	1	2	2	2	2	2	1	2
5317	1975	AMC	HORN	15094	1	3	2	3	2	3	4	4	2	3	4	3	1	10	2	2	4	4	4	4	8	3	0	0	15	1	2	2	2	2	2	1	2
5318	1975	BUIC	LESA	26010	1	4	3	4	2	3	3	3	2	2	4	3	1	10	3	3	4	4	4	4	4	1	0	0	9	4	2	2	2	2	2	1	2
5319	1976	CADI	SEVI	10269	1	2	3	3	2	3	4	4	4	2	4	3	1	7	3	2	4	4	4	4	2	3	18	20	18	1	2	2	2	2	2	1	2
5320	1975	CHEV	STAW	10962	1	3	2	3	2	3	4	4	4	2	4	3	1	5	4	3	3	4	4	4	6	3	0	0	0	1	1	2	2	2	2	1	2
5321	1975	CHEV	CAMA	23515	1	3	3	3	2	3	4	4	2	3	4	3	1	3	2	3	4	4	4	4	6	4	18	20	15	1	2	2	2	2	2	1	2
5322	1975	CHEV	NOVA	19950	1	4	2	3	2	3	4	4	2	3	4	3	2	15	2	3	4	4	4	4	6	1	13	14	12	1	2	2	2	2	2	1	2
5323	1975	CHEV	MONT	22379	1	4	3	4	2	3	4	4	2	3	4	3	1	8	2	3	4	4	4	4	4	3	0	0	12	3	2	2	2	2	2	1	2
5324	1975	CHEV	MONT	15494	1	4	2	4	2	3	4	4	3	2	4	3	1	1	3	3	2	4	4	4	4	1	14	15	12	1	2	2	2	2	2	1	2
5325	1975	DODG	DART	12989	1	4	2	4	3	3	4	4	3	3	4	3	1	6	1	3	3	4	4	4	2	1	20	0	0	4	2	2	2	2	2	1	2
5326	1975	FORD	STAW	28408	1	4	3	4	3	2	4	4	3	2	4	3	1	6	3	3	3	4	4	4	5	1	0	0	0	2	2	2	2	2	2	1	2
5327	1975	FORD	LTD	29393	1	3	5	3	3	3	4	4	2	3	4	3	3	17	2	3	4	4	4	4	4	3	12	0	0	1	2	2	2	2	2	1	2
5328	1975	FORD	TORI	16531	1	4	2	4	2	3	4	4	3	3	4	3	1	6	2	3	3	4	4	4	4	2	0	0	10	1	2	2	2	2	2	1	2
5329	1975	LINC	CONT	22390	1	3	3	4	3	3	4	4	3	3	3	3	1	6	3	3	3	4	4	4	4	1	0	0	0	3	2	2	2	2	2	1	2
5330	1975	MERC	MONA	16269	1	4	2	4	2	3	4	4	3	3	4	3	1	20	3	3	3	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
5331	1975	OLDS	OMEG	29297	1	3	3	3	3	2	4	4	3	3	4	3	3	20	3	3	4	4	4	4	6	1	0	19	11	3	2	2	2	2	2	1	2
5332	1975	OLDS	DELT	29541	1	4	3	3	2	3	4	4	2	3	4	3	1	3	3	3	3	4	4	4	10	4	0	0	11	1	2	2	2	2	2	1	2
5333	1975	PLYM	GRHF	67259	1	4	3	3	3	3	3	4	3	3	2	3	1	7	3	2	3	4	4	4	5	1	0	16	0	4	2	2	2	2	2	1	2
5334	1975	PONT	LEMA	36082	2	2	3	3	2	3	4	4	2	3	4	3	1	5	2	3	3	4	4	4	6	4	14	17	15	1	2	2	2	2	2	1	2
5335	1975	DATS	710	18273	1	3	3	4	2	3	4	4	2	3	4	4	1	6	4	3	4	4	4	4	3	1	0	0	22	1	2	2	2	2	2	1	2
5336	1975	FIAT	124	15906	1	3	2	4	3	2	4	4	3	3	4	3	3	26	1	4	4	4	4	4	2	1	17	0	0	1	2	2	2	2	2	1	2
5337	1975	HOND	CIVI	23638	1	3	3	4	3	3	4	4	3	3	4	3	1	1	2	3	4	4	4	4	4	4	0	0	0	1	2	2	2	2	2	1	2
5338	1975	MAZD	COUP	63659	1	4	5	3	3	3	3	4	3	3	4	3	1	9	1	4	4	3	4	4	10	1	0	30	24	1	2	2	2	2	2	1	2
5715	1975	MERB	240D	48770	1	3	5	3	3	3	3	4	3	3	3	3	1	5	2	3	4	4	4	4	4	1	0	32	26	1	2	2	2	2	2	1	2
4080	1974	AMC	MATA	34423	1	4	2	4	2	3	4	4	3	3	2	4	1	6	2	3	4	4	4	4	3	1	15	0	0	1	2	2	1	2	2	2	2
4081	1974	BUIC	ELEC	33108	1	4	3	3	3	3	4	4	3	2	4	3	1	6	3	3	4	4	4	4	3	2	0	0	14	1	2	2	2	2	2	1	2
4082	1974	CADI	DEVI	49402	2	3	3	3	3	3	4	4	3	2	4	3	1	5	3	2	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
4083	1974	CHEV	VEGA	21225	1	4	2	4	2	3	4	4	2	3	4	3	1	5	2	3	4	4	4	4	7	1	0	0	0	1	2	2	2	2	2	1	2
4084	1974	CHEV	MONT	52787	1	4	4	4	2	3	4	4	2	3	4	3	1	10	2	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
4085	1974	CHEV	NOVA	34896	1	4	2	4	3	3	4	4	3	3	4	3	1	9	1	3	4	4	4	4	2	2	0	0	0	1	2	2	2	2	2	1	2
4086	1974	CHEV	NOVA	22038	1	4	2	4	3	2	4	4	3	2	4	3	1	8	3	2	4	4	4	4	2	1	0	17	0	1	2	2	2	2	2	1	2
4087	1974	CHEV	IMPA	20505	1	4	2	4	3	3	4	4	3	3	4	3	1	8	2	3	4	4	4	4	4	1	10	0	0	1	2	2	2	2	2	1	2
4088	1974	CHEV	CAPR	40612	1	4	3	4	2	3	4	4	4	2	4	3	1	2	2	3	4	4	4	4	4	1	12	14	9	1	2	2	2	2	2	1	2
4089	1974	CHRY	STAW	35575	2	1	3	3	3	3	2	4	3	3	4	3	2	15	4	3	3	4	4	4	2	1	0	13	0	1	2	2	2	2	2	1	2
4090	1974	DODG	MONA	29904	2	4	3	3	2	3	4	4	2	3	4	3	1	6	2	2	2	4	4	4	8	1	14	17	11	1	2	2	2	2	2	1	2
4091	1974	FORD	PINT	33000	1	4	3	3	3	2	4	4	3	3	4	3	1	2	4	3	2	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
4092	1974	FORD	MAVE	38755	1	4	3	3	2	3	4	4	2	3	4	3	1	2	3	2	4	4	4	4	2	1	0	0	15	1	2	2	2	2	2	1	2
4093	1974	FORD	MAVE	13670	1	4	1	4	1	4	4	4	3	3	4	3	1	1	4	1	4	4	4	4	2	1	0	0	14	1	2	2	2	2	2	1	2
4094	1974	FORD	LTD	72010	1	4	5	2	3	3	4	4	3	3	2	3	1	2	3	2	3	4	4	4	8	3	0	0	0	1	2	2	2	2	2	1	2
4095	1974	FORD	LTD	45746	2	3	3	3	2	3	4	4	2	3	4	3	1	6	3	3	3	4	4	4	3	3	17	16	15	1	2	2	2	2	2	1	2
4096	1974	MERC	COME	58050	1	4	5	3	3	2	4	4	4	2	4	3	1	9	3	2	4	4	4	4	2	1	0	0	16	1	2	2	2	2	2	1	2
4097	1974	OLDS	CUTL	66258	2	1	4	3	3	3	4	4	3	3	4	3	1	7	2	3	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
4098	1974	OLDS	MNTY	34202	1	4	3	3	2	3	4	4	3	2	4	3	1	4	2	3	4	4	4	4	3	1	10	14	8	1	2	2	2	2	2	1	2
4099	1974	PLYM	SATE	37719	1	4	3	4	3	2	4	4	3	3	4	3	1	8	2	3	4	4	4	4	6	4	10	0	0	1	2	2	2	2	2	1	2
4100	1974	PLYM	DUST	24179	1	4	3	4	2	3	4	4	4	2	4	3	1	7	3	3	4	4	4	4	6	2	17	20	15	1	2	2	2	2	2	1	2
4101	1974	PONT	LEMA	26445	1	4	3	4	2	3	4	4	2	3	4	3	1	5	2	3	3	4	4	4	4	1	11	14	10	1	2	2	2	2	2	1	2
4102	1974	DATS	STAW	41289	1	4	3	3	2	3	4	4	2	3	4	3	3	25	2	3	3	4	4	4	2	4	20	0	0	1	2	2	2	2	2	1	2
4103	1974	TOYO	CORO	37519	2	3	4	4	2	3	3	4	2	3	4	3	1	17	3	3	3	4	4	4	4	1	27	31	26	1	2	2	2	2	2	1	2
4104	1974	TOYO	CORO	32016	1	4	3	3	2	3	4	4	2	3	4	3	1	12	1	4	4	4	4	4	4	2	0	0	24	1	2	2	2	2	2	1	2
4105	1974	VOLK	SEDA	18748	1	4	2	4	2	3	4	4	2	3	4	3	1	2	1	4	4	4	4	4	2	1	22	0	0	1	2	2	2	2	2	1	2
4106	1974	VOLK	SEDA	19190	1	4	2	3	2	3	4	4	2	3	4	3	1	5	2	3	4	4	4	4	6	2	23	0	0	1	2	2	2	2	2	1	2
4339	1974	AMC	HORN	37460	1	4	3	4	2	3	4	4	2	3	4	3	1	3	2	3	4	4	4	4	5	1	0	0	15	1	2	2	2	2	2	1	2
4340	1974	BUIC	REGA	21976	2	1	3	4	2	3	4	4	4	2	4	3	1	4	4	2	4	4	4	4	2	1	15	14	13	1	2	2	2	2	2	2	1
4341	1974	BUIC	CNTY	39571	2	3	3	3	3	3	4	4	3	3	4	3	1	6	2	3	4	4	4	4	4	1	12	0	0	1	2	2	2	2	2	1	2
4342	1974	CHEV	MALI	26851	1	4	3	3	3	2	4	4	3	3	4	3	1	3	2	3	4	4	4	4	4	3	0	0	9	1	2	2	2	2	2	1	2
4343	1974	CHEV	IMPA	46423	1	4	4	3	2	3	4	4	2	3	4	3	1	3	2	3	4	4	4	4	6	4	14	16	10	1	2	2	2	2	2	1	2
4344	1974	CHEV	IMPA	45332	1	4	4	2	3	3	4	4	2	3	3	3	1	1	2	3	4	4	4	4	6	4	0	12	0	1	2	2	2	2	2	1	2
4345	1974	CHEV	STAW	22707	2	2	2	3	3	2	4	4	3	3	4	3	1	8	3	3	4	4	4	4	4	1	14	0	0	1	2	2	2	2	2	1	2
4346	1974	CHEV	VEGA	33953	1	4	3	3	2	3	3	3	3	2	4	3	1	2	2	3	4	4	4	4	1	2	23	26	20	1	2	2	2	2	2	1	2
4347	1974	DODG	DART	31847	1	4	3	2	3	3	4	4	4	2	4	3	1	3	3	3	2	4	4	4	4	2	0	0	17	1	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

PHOENIX

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	N	U	A	B	C	D	E	F
4348	1974	DODG	DART	13317	1	4	1	4	2	3	4	4	2	3	4	4	1	6	2	3	4	4	4	4	3	1	12	18	11	1	2	2	2	2	2	1	2
4349	1974	FORD	TORI	47701	2	3	3	2	3	3	4	4	2	3	4	3	1	1	3	2	3	4	4	4	6	4	0	14	0	1	2	2	2	2	2	1	2
4350	1974	FORD	LTD	28046	1	4	3	3	3	3	4	4	4	2	4	3	1	5	3	2	3	4	4	4	4	2	0	0	15	1	2	2	2	2	2	1	2
4351	1974	FORD	THND	33572	2	2	2	3	3	2	4	4	3	3	4	3	1	3	3	3	3	4	4	4	4	1	0	0	12	1	2	2	2	2	2	1	2
4352	1974	FORD	PINT	34614	1	4	3	3	3	3	3	4	3	3	4	3	1	6	4	3	2	4	4	4	6	1	20	0	0	1	2	2	2	2	2	1	2
4353	1974	LINC	CONT	49161	1	4	3	3	3	2	4	4	4	2	4	3	1	12	3	2	4	4	4	4	2	1	0	13	0	1	2	2	2	2	2	1	2
4354	1974	MERC	MONR	52077	1	4	3	3	2	3	4	4	4	2	4	3	1	8	2	3	4	4	4	3	4	2	0	0	0	1	2	2	2	2	2	1	2
4355	1974	OLDS	CUTL	33864	1	4	3	3	2	3	4	4	2	3	4	3	1	6	3	2	3	4	4	4	5	1	14	16	13	1	2	2	2	2	2	1	2
4356	1974	PLYM	VALI	32344	2	3	2	3	3	2	4	4	4	2	4	3	1	1	2	3	4	4	4	3	10	1	14	0	0	1	2	2	2	2	2	1	2
4357	1974	PONT	BONN	22083	1	4	2	2	3	3	4	4	4	2	4	3	1	15	3	2	3	4	4	4	2	2	14	13	12	1	2	2	2	2	2	1	2
4358	1974	PONT	FIRE	38452	1	4	3	2	3	3	4	4	2	3	4	3	1	2	2	3	3	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
4359	1974	CAPR	COUP	29461	1	4	3	2	3	4	3	4	2	3	4	3	3	32	2	3	4	4	4	4	3	1	33	35	27	1	2	2	2	2	2	1	2
4360	1974	DATS	SEDA	14834	1	4	2	4	2	3	4	4	2	3	4	3	1	3	1	4	4	4	4	4	2	1	0	0	22	1	2	2	2	2	2	1	2
4361	1974	MAZD	RX2	33544	1	3	4	4	2	3	4	4	2	3	4	3	1	1	2	3	4	4	4	4	3	1	0	0	20	1	2	2	2	2	2	1	2
4703	1974	MERB	240D	28127	2	2	2	3	3	2	4	4	3	3	3	3	1	18	1	4	4	4	4	4	6	1	0	0	23	1	2	2	2	2	2	1	2
4707	1974	MERB	240D	57343	1	4	4	3	3	2	4	4	3	3	4	3	2	5	2	3	4	4	4	4	8	1	20	0	0	1	2	2	2	2	2	1	2
4711	1974	PEUG	504D	33153	1	4	[illegible]	4	2	3	3	3	2	3	4	3	1	10	2	3	3	4	4	4	4	1	32	35	31	1	2	2	2	2	2	1	2
4712	1974	MERB	240D	34431	2	1	[illegible]	3	3	3	3	3	3	3	4	3	2	10	2	3	4	4	4	4	5	2	0	0	0	1	2	2	2	2	2	2	1
3107	1973	AMC	GREM	27460	1	4	6	4	2	3	4	4	2	3	4	3	1	7	2	4	3	4	4	4	2	1	21	25	20	1	2	2	2	2	2	1	2
3108	1973	BUIC	RIVI	52826	2	4	4	3	2	3	4	4	3	2	4	3	1	3	3	3	2	4	4	4	3	2	0	0	0	1	2	2	2	2	2	1	2
3109	1973	BUIC	CNTY	29645	1	4	2	4	2	3	3	3	4	2	4	3	1	7	3	3	2	4	4	4	2	1	0	0	16	1	2	2	2	2	2	1	2
3110	1973	CADI	DEVI	18192	1	4	1	3	2	3	4	4	4	2	4	3	1	6	2	3	4	4	4	4	2	1	0	13	8	1	2	2	2	2	2	1	2
3111	1973	CHEV	VEGA	47034	1	4	3	3	3	3	4	4	1	4	4	4	1	8	3	3	3	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
3112	1973	CHEV	NOVA	35158	1	4	2	3	2	3	4	4	4	2	4	3	1	7	3	2	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
3113	1973	CHEV	NOVA	22260	1	4	2	3	2	3	4	4	2	3	4	4	1	1	3	2	3	4	4	4	4	2	0	0	16	1	2	2	2	2	2	1	2
3114	1973	CHEV	IMPA	53603	2	4	3	3	3	3	4	4	4	2	4	3	3	10	3	2	4	4	4	3	12	4	0	0	12	1	2	2	2	2	2	1	2
3115	1973	CHEV	IMPA	34606	1	4	2	4	3	3	4	4	2	3	4	3	1	4	3	2	3	4	4	4	6	1	0	0	10	1	2	2	2	2	2	1	2
3116	1973	DODG	DART	55519	2	4	3	4	2	3	4	4	2	3	4	3	1	2	2	3	3	4	4	4	8	2	17	18	16	1	2	2	2	2	2	1	2
3117	1973	FORD	STAW	41925	2	4	3	4	3	3	2	3	2	4	4	3	1	5	1	3	4	4	4	4	3	1	0	0	20	1	2	2	2	2	2	1	2
3118	1973	FORD	TORI	41879	2	3	2	3	2	3	4	4	4	2	4	3	1	5	2	3	4	4	4	4	2	1	0	0	10	1	2	2	2	2	2	1	2
3119	1973	FORD	MAVE	32701	1	4	2	4	2	3	4	4	4	2	4	3	1	6	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
3120	1973	FORD	GALA	38000	1	4	3	3	3	2	4	4	4	2	4	3	1	5	3	3	3	4	4	4	4	1	0	20	0	1	2	2	2	2	2	1	2
3121	1973	FORD	LTD	34483	1	4	3	4	2	3	4	4	2	3	4	3	1	5	2	3	4	4	4	4	4	4	0	0	0	1	2	2	2	2	2	1	2
3122	1973	MERC	MONR	55572	2	4	3	2	3	3	4	4	4	3	4	2	2	4	2	3	4	4	4	4	4	3	18	17	14	1	2	2	2	2	2	1	2
3123	1973	OLDS	STAW	66641	1	4	4	3	3	3	3	4	4	3	4	2	1	6	4	4	1	4	4	4	10	1	0	12	10	1	2	2	2	2	2	1	2
3124	1973	OLDS	CUTL	39398	2	4	2	3	2	3	4	4	4	2	4	3	1	15	3	2	3	4	4	4	2	1	15	18	13	1	2	2	2	2	2	1	2
3125	1973	PLYM	SATE	54192	2	4	3	3	2	3	4	4	2	3	4	3	1	1	2	3	3	4	4	4	10	4	17	21	13	1	2	2	2	2	2	1	2
3126	1973	PLYM	DUST	46970	1	4	3	3	2	3	4	4	2	3	4	3	1	3	2	3	3	4	4	4	6	2	0	0	0	1	2	2	2	2	2	1	2
3127	1973	PONT	BONN	22154	1	4	2	4	2	4	4	4	2	3	4	4	1	2	1	4	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
3128	1973	PONT	CATA	64074	1	4	3	3	2	3	4	4	4	2	4	3	1	10	3	2	3	4	4	4	8	2	13	15	11	1	2	2	2	2	2	1	2
3129	1973	DATS	PICK	52486	1	4	3	3	3	3	4	4	2	3	4	3	3	12	2	3	3	4	4	4	4	4	25	0	0	1	2	2	2	2	2	1	2
3130	1973	OPEL	MANT	42464	1	4	2	3	3	2	4	4	3	3	4	3	3	30	4	3	2	4	4	4	2	1	0	30	25	1	2	2	2	2	2	1	2
3131	1973	TOYO	CARI	35917	1	4	2	4	3	2	4	4	3	3	4	3	1	6	1	4	4	4	4	4	3	1	0	0	23	1	2	2	2	2	1	2	2
3132	1973	VOLK	SEDA	53106	1	4	3	4	2	3	4	4	4	3	4	2	1	4	2	3	4	4	4	4	6	3	23	27	22	1	2	2	2	2	2	1	2
3133	1973	VOLK	SEDA	34970	2	2	3	4	2	3	4	4	2	3	4	4	1	5	1	4	4	4	4	4	4	3	0	0	0	1	2	2	2	2	2	1	2
3362	1973	BUIC	CNTY	77437	2	4	5	2	3	3	4	4	2	3	4	3	3	30	2	3	4	4	4	4	4	4	0	0	0	1	2	2	2	2	2	1	2
3363	1973	BUIC	ELEC	36870	2	2	3	4	2	3	4	4	2	3	4	4	1	4	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
3364	1973	CHEV	STAW	16018	2	4	2	3	2	3	4	4	4	2	4	3	1	5	3	2	4	4	4	4	2	1	14	15	13	1	2	2	2	2	2	1	2
3365	1973	CHEV	STAW	28262	1	4	2	3	3	2	4	4	3	3	4	3	1	1	3	2	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
3366	1973	CHEV	CAMA	50213	2	2	3	3	3	2	4	4	3	3	4	3	1	3	2	3	4	4	4	4	4	1	0	18	12	1	2	2	2	2	2	1	2
3367	1973	CHEV	IMPA	59870	2	2	2	3	2	3	4	4	2	3	4	3	1	2	2	3	3	4	4	4	3	2	0	0	0	1	2	2	2	2	2	1	2
3368	1973	CHEV	NOVA	48996	2	4	4	3	3	3	4	4	2	3	4	3	2	10	1	4	4	4	4	4	4	1	0	0	14	1	2	2	2	2	2	1	2
3369	1973	CHEV	STAW	23847	1	4	2	2	3	3	4	4	3	2	4	3	1	5	3	2	3	4	4	4	1	1	0	16	11	1	2	2	2	2	2	1	2
3370	1973	CHRY	NEWP	74126	2	4	4	4	3	2	4	4	3	3	4	3	1	6	4	3	2	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
3371	1973	DODG	CHAR	37045	2	4	3	4	3	2	4	4	3	3	4	3	1	7	2	3	4	4	4	4	2	1	0	21	14	1	2	2	2	2	2	1	2
3372	1973	DODG	POLA	42694	2	4	3	4	2	3	4	4	4	2	4	3	1	3	3	3	2	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
3373	1973	FORD	PINT	45619	2	1	2	4	2	3	4	4	2	3	4	3	1	1	3	2	4	4	4	4	3	1	23	25	20	1	2	2	2	2	2	1	2
3374	1973	FORD	TORI	46713	2	4	3	4	2	3	4	4	2	3	4	3	1	3	2	3	4	4	4	4	4	1	17	23	16	1	2	2	2	2	2	1	2
3375	1973	FORD	LTD	44437	1	4	5	3	3	3	4	4	4	2	4	3	1	8	2	3	3	4	4	4	2	2	15	17	14	1	2	2	2	2	2	1	2
3376	1973	FORD	LTD	35346	1	4	2	3	2	3	4	4	4	2	4	3	1	1	3	2	4	4	4	4	3	2	0	16	11	1	2	2	2	2	2	1	2
3377	1973	MERC	MONG	39974	1	4	2	3	3	2	4	4	3	3	4	3	1	5	3	3	3	4	4	4	4	4	13	17	0	1	2	2	2	2	2	1	2
3378	1973	OLDS	CUTL	44773	1	4	3	4	2	3	4	4	2	3	4	3	1	5	3	2	4	4	4	4	4	1	12	17	11	1	2	2	2	2	2	1	2
3379	1973	OLDS	DELT	87039	1	4	2	4	2	3	4	4	2	3	4	3	1	5	1	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
3380	1973	PLYM	SATE	62803	1	4	2	3	3	3	4	4	2	3	4	3	1	4	2	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
3381	1973	PONT	LEMA	47950	1	4	2	3	3	3	3	3	4	3	4	3	1	25	3	2	4	4	4	4	1	1	0	18	15	1	2	2	2	2	2	1	2
3382	1973	PONT	BONN	39068	1	4	2	3	3	2	4	4	4	2	4	3	1	4	2	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
3383	1973	CAPR	COUP	54850	1	4	3	4	2	3	4	4	2	3	4	3	1	2	2	3	4	4	4	4	5	1	0	0	0	1	2	2	2	2	2	1	2
3384	1973	MAZD	STAW	20906	1	4	2	4	3	2	4	4	4	2	4	3	1	5	2	3	4	4	4	4	2	1	0	20	16	1	2	2	2	2	2	1	2
3703	1973	MERB	220D	33220	1	4	3	3	3	3	3	3	4	2	4	3	1	14	2	3	4	4	4	4	5	3	30	0	0	1	2	2	2	2	2	1	2
2134	1972	AMC	GREM	53288	1	4	1	3	2	3	4	4	2	3	4	3	1	5	2	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
2135	1972	BUIC	RIVI	59452	1	4	3	3	3	3	4	4	2	3	4	3	3	23	2	3	4	4	4	4	8	4	14	16	12	1	2	2	2	2	2	1	2
2136	1972	CADI	DEVI	73275	1	4	4	3	3	3	3	3	3	3	3	3	1	7	2	3	4	4	4	4	12	1	12	14	10	1	2	2	2	2	2	1	2
2137	1972	CHEV	STAW	61220	2	3	4	4	2	3	4	4	3	4	3	4	1	3	1	4	4	4	4	4	10	1	0	23	0	1	2	2	2	2	2	1	2
2138	1972	CHEV	MALI	20796	1	4	1	3	2	3	4	4	4	2	4	3	1	5	4	3	2	4	4	4	4	1	0	0	13	1	2	2	2	2	2	1	2
2139	1972	CHEV	MONT	62650	1	4	3	4	2	3	4	4	4	2	4	3	1	3	4	4	2	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
2140	1972	CHEV	NOVA	47245	1	4	2	2	3	3	4	4	2	3	4	3	1	3	3	2	4	4	4	4	2	1	17	20	16	1	2	2	2	2	2	1	2
2141	1972	CHEV	IMPA	53367	2	4	2	4	3	2	4	4	4	2	4	3	1	4	3	3	3	4	4	3	2	2	0	0	0	1	2	2	2	2	2	1	2
2142	1972	CHEV	IMPA	60987	2	3	2	4	2	3	4	4	2	3	4	3	1	10	3	2	4	4	4	4	2	1	12	15	11	1	2	2	2	2	2	1	2
2143	1972	DODG	DART	50946	2	4	2	4	3	2	4	4	4	2	4	3	1	6	2	3	4	4	4	4	1	1	21	0	0	1	2	2	1	2	2	2	2
2144	1972	FORD	PINT	38067	1	4	2	3	3	2	4	4	3	3	4	3	1	4	1	4	4	4	4	4	2	1	0	25	21	1	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

PHOENIX

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
2145	1972	FORD	STAW	74495	2	4	3	3	3	3	3	3	3	3	4	3	1	5	2	2	4	4	4	4	2	2	16	0	0	1	2	2	2	2	2	1	2
2146	1972	FORD	MAVE	42066	1	4	2	4	2	3	4	4	1	4	4	3	1	8	2	1	4	4	4	4	10	2	17	21	16	1	2	2	2	2	2	1	2
2147	1972	FORD	LTD	70484	2	4	4	3	2	3	4	4	4	3	3	3	2	21	2	1	4	4	4	4	2	1	0	16	0	1	2	2	2	2	2	1	2
2148	1972	FORD	LTD	48061	1	4	2	4	3	3	2	4	4	3	4	2	1	5	2	3	4	4	4	4	3	4	17	0	0	1	2	2	2	2	2	1	2
2149	1972	MERC	MONT	33953	1	4	2	3	3	3	3	3	4	3	4	3	1	3	3	2	4	4	4	4	2	1	0	16	0	1	2	2	2	2	2	1	2
2150	1972	OLDS	CUTL	21026	1	4	1	4	2	3	4	4	4	2	4	3	1	3	3	2	3	4	4	4	4	1	0	0	10	1	2	2	2	2	2	1	2
2151	1972	PLYM	DUST	36964	2	4	2	3	3	2	4	4	3	3	4	3	1	5	3	3	4	4	4	4	3	1	15	0	0	1	2	2	2	2	2	1	2
2152	1972	PLYM	FRY3	76182	2	4	4	4	3	3	4	3	4	3	4	2	1	6	3	3	4	4	4	3	2	1	0	19	0	1	2	2	2	2	2	1	2
2153	1972	PONT	FIRE	133212	1	4	5	3	3	3	3	4	2	4	4	3	1	6	2	4	4	4	4	3	3	1	0	18	0	1	1	2	2	2	2	1	2
2154	1972	PONT	LEMA	43547	2	4	3	3	3	3	4	4	4	2	4	3	1	7	2	3	3	4	4	4	4	2	0	0	10	1	2	2	2	2	2	1	2
2155	1972	DATS	STAW	65632	2	2	2	4	3	2	4	4	4	1	4	4	3	25	4	1	4	4	4	4	5	1	19	0	0	1	2	2	2	2	2	1	2
2156	1972	TOYO	CORO	108931	1	4	3	3	3	2	4	4	3	3	4	3	3	7	2	3	4	4	4	4	4	4	23	0	0	1	2	2	2	2	2	1	2
2157	1972	VOLK	SEDA	59688	2	3	2	4	3	2	4	4	3	3	4	3	1	2	1	4	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
2158	1972	VOLK	STAW	40617	2	3	3	4	2	3	4	4	2	3	4	3	1	1	2	3	4	4	4	4	6	1	23	25	21	1	2	2	2	2	2	1	2
2385	1972	BUIC	SKYL	63662	1	4	3	4	2	3	4	4	2	3	4	3	1	8	3	3	4	4	4	4	3	1	14	16	14	1	2	2	2	2	2	1	2
2386	1972	BUIC	STAW	58409	1	3	2	4	2	3	4	4	4	3	4	3	1	10	3	2	4	4	4	4	4	1	11	16	10	1	2	2	2	2	2	1	2
2387	1972	CHEV	VEGA	40716	1	4	2	4	3	3	3	3	2	3	4	3	1	2	2	1	4	4	4	4	3	2	23	30	18	1	2	2	2	2	2	1	2
2388	1972	CHEV	CHEL	60328	2	3	2	3	3	2	4	4	3	3	4	3	1	6	4	3	2	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
2389	1972	CHEV	IMPA	55513	2	1	3	3	2	2	4	4	3	3	2	3	4	16	2	1	4	4	4	4	15	1	13	0	0	1	2	2	2	2	2	1	2
2390	1972	CHEV	IMPA	84680	1	4	4	4	1	4	4	4	1	4	4	4	1	12	3	2	4	4	4	4	4	1	0	17	13	1	2	2	2	2	2	1	2
2391	1972	CHEV	STAW	65509	2	2	3	4	3	2	4	4	4	2	4	3	1	2	3	3	3	4	4	4	6	1	11	0	0	1	2	2	2	2	2	1	2
2392	1972	CHRY	NEWP	75056	2	4	2	3	3	2	4	4	3	3	4	3	1	7	3	3	3	4	4	3	4	1	10	0	0	1	2	2	2	2	2	1	2
2393	1972	DODG	DART	51916	1	4	2	3	3	2	4	4	2	3	4	3	1	3	3	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
2394	1972	FORD	PINT	54865	2	4	2	4	2	3	4	4	2	3	4	4	1	6	3	3	4	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
2395	1972	FORD	TORI	56386	1	4	3	3	3	2	4	4	3	3	4	3	1	3	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
2396	1972	FORD	TORI	58206	1	4	3	3	3	2	4	4	3	3	3	3	1	5	2	3	4	4	4	4	10	1	12	0	0	1	2	2	2	2	2	1	2
2397	1972	FORD	LTD	28007	1	4	2	4	3	2	4	4	4	2	4	3	3	15	2	3	4	4	4	4	2	1	12	0	0	1	2	2	2	2	2	1	2
2398	1972	LINC	MRK4	64084	2	1	3	3	3	2	4	4	3	3	4	3	1	8	2	3	4	4	4	4	2	1	0	0	0	1	3	2	2	2	2	2	1
2399	1972	MERC	MARQ	67273	1	4	2	3	3	2	4	4	3	3	4	3	1	6	2	3	4	4	4	4	3	1	0	14	12	1	2	2	2	2	2	1	2
2400	1972	OLDS	CUTL	50086	2	2	2	4	2	3	4	4	4	2	4	3	1	1	1	3	3	4	4	4	1	1	0	0	0	1	2	2	2	2	2	1	2
2401	1972	OLDS	ROYA	29800	1	4	2	3	2	3	4	4	4	2	4	3	3	15	1	3	3	4	4	4	2	1	14	17	10	1	2	2	2	2	2	1	2
2402	1972	PLYM	DUST	40007	1	4	2	4	3	2	4	4	3	3	4	3	1	6	1	4	4	4	4	4	3	2	0	0	0	1	2	2	2	2	2	1	2
2403	1972	PONT	STAW	22678	1	4	1	4	3	2	4	4	4	1	4	4	1	3	2	4	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
2404	1972	CAPR	COUP	58092	2	4	3	3	3	3	3	4	3	3	4	3	1	3	1	4	4	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
1159	1971	BUIC	ELEC	55353	1	4	2	4	2	3	3	3	4	2	4	3	1	8	3	2	3	4	4	4	3	1	18	16	11	1	2	2	1	1	1	2	2
1160	1971	BUIC	SKYL	89677	1	4	3	4	2	3	4	4	3	3	3	3	1	15	3	2	4	4	4	4	6	1	0	0	17	1	2	2	2	2	2	1	2
1161	1971	CHEV	VEGA	77229	1	4	3	3	3	3	3	4	3	3	3	3	1	5	1	4	4	4	4	4	6	1	21	0	0	1	2	2	2	2	2	1	2
1162	1971	CHEV	MALI	81742	2	4	3	3	2	3	4	4	2	3	4	3	1	5	2	3	4	4	4	4	4	3	0	0	0	1	2	2	2	2	2	1	2
1163	1971	CHEV	CAMA	61803	1	4	3	3	3	2	4	4	2	3	4	3	1	3	2	3	4	4	4	4	2	2	0	20	14	1	2	2	2	2	2	1	2
1164	1971	CHEV	IMPA	22975	2	4	1	4	2	3	4	4	4	2	4	3	1	8	2	3	3	4	4	4	4	1	0	21	0	1	2	2	2	2	2	1	2
1165	1971	CHEV	BELA	56886	2	4	1	4	2	3	4	4	4	2	3	3	1	4	1	4	4	4	4	4	4	1	11	18	11	1	2	2	2	2	2	1	2
1166	1971	CHRY	NEWP	89928	2	4	2	3	3	3	3	4	4	2	3	4	1	3	1	4	4	4	4	4	4	2	0	0	0	1	2	2	2	2	2	1	2
1167	1971	DODG	CORO	76550	1	4	3	3	2	3	4	4	4	2	4	3	1	3	2	4	4	4	4	4	4	1	0	0	16	1	2	2	1	2	2	2	2
1168	1971	FORD	PINT	44731	1	4	2	2	3	3	4	4	2	3	4	3	2	10	1	4	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
1169	1971	FORD	TORI	83210	1	4	4	2	4	4	3	4	2	3	4	3	3	17	3	4	2	4	4	3	3	1	0	18	0	1	2	2	2	2	2	1	2
1170	1971	FORD	MUST	58185	2	4	3	3	3	2	4	4	3	3	4	3	3	6	2	3	4	4	4	4	12	1	0	0	20	1	2	2	2	2	2	1	2
1171	1971	FORD	GALA	52521	2	4	3	4	2	3	4	4	4	2	4	3	1	4	4	3	2	4	4	4	6	1	0	0	15	1	2	2	2	2	2	1	2
1172	1971	FORD	LTD	69603	2	4	3	3	2	3	4	4	2	3	4	3	1	8	2	3	3	4	4	4	4	1	0	0	12	1	2	2	2	2	2	1	2
1173	1971	MERC	COUG	82246	1	4	3	3	3	2	3	4	3	3	4	3	1	6	3	2	4	4	4	4	3	2	0	0	0	1	2	2	2	2	2	1	2
1174	1971	OLDS	MNTI	48837	2	4	2	3	2	3	4	4	4	2	4	3	1	2	2	3	4	4	4	4	5	2	0	0	0	1	2	2	2	2	2	1	2
1175	1971	PLYM	VALI	47853	1	4	2	3	3	2	4	4	3	3	4	3	1	3	1	4	4	4	4	4	5	1	0	0	0	1	2	2	2	2	2	1	2
1176	1971	PONT	BONN	87688	2	4	2	4	1	4	4	4	4	4	1	4	2	6	1	4	4	4	4	4	12	1	0	14	12	1	2	2	2	2	2	1	2
1177	1971	PONT	LEMA	51420	1	4	2	4	2	3	4	4	2	3	4	3	1	4	2	3	4	4	4	4	2	1	13	16	12	1	2	2	2	2	2	1	2
1178	1971	DATS	STAW	72749	2	1	2	3	2	3	4	4	1	4	4	4	1	3	1	4	4	4	4	4	6	2	0	0	0	1	2	2	2	2	2	1	2
1179	1971	TOYO	CORO	99223	1	4	3	3	2	3	4	4	2	3	4	3	1	10	2	3	4	4	4	4	6	2	30	35	28	1	1	2	1	2	2	2	2
1180	1971	VOLK	SEDA	58250	1	4	2	3	2	3	4	4	2	3	4	3	2	15	2	3	4	4	4	4	5	4	0	0	21	1	2	1	2	2	1	2	2
1405	1971	AMC	AMBA	85650	1	4	3	3	3	2	4	4	3	3	4	3	2	20	1	4	4	4	4	4	4	1	13	0	0	1	2	2	2	2	2	1	2
1406	1971	BUIC	STAW	93284	2	4	3	3	3	3	3	4	4	3	4	3	1	5	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
1407	1971	CADI	DEVI	77282	2	4	3	3	3	3	3	4	4	4	1	4	1	4	1	4	4	4	4	4	20	1	0	12	10	1	2	2	2	2	2	1	2
1408	1971	CHEV	CHEL	49152	2	4	3	4	3	2	4	4	3	3	4	3	1	1	3	3	3	4	4	4	4	1	13	0	0	1	2	2	2	2	2	1	2
1409	1971	CHEV	MALI	73204	2	4	3	4	2	3	4	4	2	3	4	3	1	10	3	2	4	4	4	4	4	1	16	18	15	1	2	2	2	2	2	1	2
1410	1971	CHEV	MALI	47170	1	4	2	3	3	2	4	4	3	3	4	3	1	8	2	3	4	4	4	4	5	1	21	0	0	1	2	2	2	2	2	1	2
1411	1971	CHEV	IMPA	86688	2	4	3	4	3	2	4	4	3	3	4	3	1	8	2	3	4	4	4	4	2	4	13	0	0	1	2	2	2	2	2	1	2
1412	1971	DODG	DART	70204	1	4	3	2	3	3	4	4	2	3	4	3	1	5	1	3	4	4	4	4	4	1	0	0	10	1	2	2	1	2	2	2	2
1413	1971	FORD	STAW	47426	1	4	2	4	2	3	4	4	2	3	4	3	1	5	2	3	3	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
1414	1971	FORD	TORI	92717	1	4	3	2	3	4	4	4	2	3	4	4	1	4	2	3	3	4	4	4	10	4	0	0	0	1	2	2	1	2	2	2	2
1415	1971	FORD	GALA	62182	2	4	2	4	2	3	4	4	3	3	4	3	1	3	3	2	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
1416	1971	MERC	STAW	63446	2	4	3	4	2	3	4	4	4	2	4	3	1	2	3	2	4	4	4	4	3	1	0	0	12	1	2	2	2	2	2	1	2
1417	1971	OLDS	STAW	89555	2	3	4	4	2	3	3	3	4	2	4	3	1	8	3	3	4	4	4	4	2	1	0	17	0	1	2	2	2	2	2	1	2
1418	1971	OLDS	CUTL	68425	1	4	3	4	2	3	4	4	2	3	3	3	1	7	2	3	4	4	4	4	8	1	0	0	12	1	2	2	2	2	2	1	2
1419	1971	PLYM	VALI	74995	2	4	3	3	2	3	3	3	3	3	2	3	1	8	1	3	4	4	4	4	14	1	0	0	16	1	2	2	1	2	2	2	2
1420	1971	PLYM	FRY3	61035	2	4	4	2	3	3	4	4	2	3	4	4	1	7	3	4	2	4	4	4	3	1	0	15	0	1	2	2	2	2	1	2	2
1421	1971	PONT	VENT	53573	2	3	2	4	2	3	4	3	2	3	4	3	1	3	3	2	4	4	4	4	4	1	0	0	15	1	2	2	2	2	2	1	2
1422	1971	VOLK	SEDA	67524	1	4	2	3	2	3	4	4	2	3	4	3	2	20	1	3	4	4	4	4	4	4	26	32	24	1	2	2	2	2	2	1	2
1720	1971	MERB	220D	39863	1	4	2	3	3	2	4	4	3	3	3	3	3	10	1	4	4	4	4	4	6	1	0	28	32	1	2	2	2	2	2	1	2
0181	1970	AMC	HORN	14714	1	4	1	3	2	3	4	4	4	2	4	3	1	15	2	3	4	4	4	4	1	2	0	0	0	1	2	2	2	2	2	1	2
0182	1970	BUIC	WILD	56441	1	2	2	4	3	2	4	4	3	3	4	3	1	5	4	3	2	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
0183	1970	CHEV	NOVA	70548	2	2	2	3	3	2	4	4	3	3	4	3	1	5	2	3	4	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
0184	1970	CHEV	MALI	70045	1	4	3	4	2	3	4	4	2	3	4	3	1	10	3	3	2	4	4	4	4	1	17	0	0	1	2	2	1	2	2	2	2
0185	1970	CHEV	MALI	80592	1	4	3	3	2	3	4	4	4	2	4	3	1	5	2	3	4	4	4	4	4	1	18	21	13	1	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

PHOENIX

																			VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
0186	1970	CHEV	IMPA	51207	2	4	2	3	2	3	4	4	4	2	4	3	1	6	3	3	2	4	4	4	5	4	11	15	10	1	2	2	2	2	2	1	2
0187	1970	CHEV	IMPA	55605	2	4	2	3	3	3	2	4	3	3	4	3	1	10	2	3	4	4	4	4	2	1	0	14	0	1	2	2	2	2	2	1	2
0188	1970	DODG	CORO	99879	2	4	4	3	3	3	3	3	3	3	4	3	1	15	3	3	3	3	4	4	6	3	20	22	19	1	1	2	2	2	2	1	2
0189	1970	FORD	MUST	104040	1	4	4	3	3	3	2	3	3	3	3	2	2	11	3	2	4	4	4	4	2	4	0	22	0	1	2	2	1	2	2	2	2
0190	1970	FORD	TORI	93209	1	4	3	4	4	4	2	4	4	3	4	4	1	5	4	1	4	4	4	4	3	2	0	19	0	1	2	2	2	2	2	1	2
0191	1970	FORD	GALA	75673	1	4	3	4	2	3	4	4	4	3	4	4	1	8	1	4	4	4	4	4	5	1	12	14	11	1	2	2	2	2	2	1	2
0192	1970	FORD	GALA	67186	2	4	3	4	2	3	3	4	4	2	4	3	1	10	4	4	1	4	4	4	3	1	0	15	0	1	2	2	2	2	2	1	2
0193	1970	MERC	STAW	89357	2	2	3	4	2	3	4	4	4	3	4	3	1	4	3	2	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	2	1
0194	1970	OLDS	CUTL	80478	1	4	1	4	2	3	4	4	2	3	4	3	1	12	3	2	4	4	4	4	2	1	15	16	14	1	2	2	1	2	2	2	2
0195	1970	PLYM	STAW	58406	2	4	2	4	2	3	4	4	4	2	4	3	1	10	3	4	4	4	4	4	1	1	16	17	15	1	2	2	2	2	2	1	2
0196	1970	PLYM	DUST	135868	1	4	4	3	3	3	3	3	4	1	4	4	1	7	1	4	4	4	4	3	25	4	10	0	0	1	1	2	2	2	2	1	2
0197	1970	PONT	FIRE	77813	2	4	3	3	3	2	4	4	4	2	4	3	1	8	4	2	3	4	4	4	2	1	14	0	0	1	2	2	2	2	2	1	2
0198	1970	DATS	510	45000	1	4	2	3	3	2	4	4	2	3	4	3	1	5	2	3	4	4	4	4	3	1	25	0	0	1	2	2	2	2	2	1	2
0199	1970	TOYO	CORO	35290	2	3	2	3	3	2	4	4	3	3	4	3	1	5	2	3	4	4	4	4	3	1	20	0	0	1	2	2	2	2	2	1	2
0200	1970	VOLK	KARM	84768	1	4	3	4	2	3	4	4	2	3	4	3	1	4	1	4	4	4	4	4	2	1	0	0	28	1	2	2	2	2	2	1	2
0423	1970	BUIC	SKYL	94126	1	4	3	3	3	3	3	4	4	2	4	3	1	15	3	3	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
0424	1970	BUIC	LESA	79271	2	2	1	4	2	3	4	4	2	3	4	3	1	5	1	3	4	4	4	4	2	2	0	0	11	1	2	2	2	2	2	1	2
0425	1970	CADI	DEVI	90432	2	4	3	3	2	3	4	4	3	3	4	3	1	5	3	3	4	4	4	4	4	2	10	12	10	1	2	2	2	2	2	1	2
0426	1970	CHEV	NOVA	82822	1	4	2	3	3	2	4	4	3	3	4	3	1	4	3	3	4	4	4	4	2	1	14	0	0	1	2	2	2	2	2	1	2
0427	1970	CHEV	MONT	57700	1	4	2	3	3	3	3	3	4	3	4	3	1	4	3	3	4	4	4	4	1	1	15	17	13	1	2	2	2	2	2	1	2
0428	1970	CHEV	IMPA	70024	1	4	3	3	3	2	4	4	3	3	4	3	1	8	2	3	4	4	4	4	2	1	15	0	0	1	2	2	2	2	2	1	2
0429	1970	CHRY	NEWP	87827	1	4	3	3	3	3	3	4	4	3	4	2	1	8	3	2	4	4	4	4	5	1	0	19	15	1	2	2	2	2	2	1	2
0430	1970	DODG	STAW	81465	1	4	3	4	2	3	3	3	2	3	4	4	1	15	3	4	4	4	4	3	6	1	13	17	12	1	2	2	2	2	2	1	2
0431	1970	FORD	MAVE	67537	2	4	3	3	3	3	4	4	4	3	4	3	1	7	2	4	4	4	4	4	2	3	18	0	0	1	2	2	2	2	2	1	2
0432	1970	FORD	STAW	70188	1	4	3	3	3	3	4	4	3	3	3	3	1	4	3	3	3	4	4	4	3	1	15	0	0	1	2	2	2	2	2	1	2
0433	1970	FORD	LTD	120300	2	4	3	4	3	2	4	4	3	3	4	3	1	3	1	4	4	4	4	4	5	1	0	0	0	1	2	2	2	2	2	1	2
0434	1970	OLDS	CUTL	67307	2	4	2	4	2	3	4	4	3	3	4	3	1	3	1	4	4	4	4	4	4	1	0	0	14	1	2	2	2	2	2	1	2
0435	1970	PLYM	FRIZ	70338	2	4	3	3	3	2	4	4	3	3	4	3	1	10	1	3	4	4	4	4	3	1	0	11	16	1	2	2	2	2	2	1	2
0436	1970	PONT	GRNP	83171	2	2	4	3	3	2	4	4	3	3	4	3	3	10	2	3	4	4	4	4	7	2	0	12	10	1	2	2	2	2	2	1	2
0437	1970	VOLK	SEDA	77465	2	3	3	4	3	2	4	4	3	3	3	3	1	4	1	4	4	4	4	4	6	1	25	0	0	1	2	2	2	2	2	1	2
0704	1970	MERB	220D	56306	2	2	2	3	3	2	4	4	2	2	4	3	3	20	2	2	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
9438	1969	AMC	AMER	63702	2	4	2	3	3	2	4	4	2	4	4	3	1	4	3	4	4	3	4	4	5	1	0	0	0	1	2	2	2	1	2	2	2
9439	1969	BUIC	ELEC	95763	2	4	2	3	3	2	4	4	3	3	4	3	2	7	2	4	4	4	4	4	4	1	13	0	0	1	2	2	2	2	2	1	2
9440	1969	BUIC	SKYL	55912	2	4	3	4	2	3	4	4	3	3	4	3	1	4	3	3	3	4	4	4	4	1	13	19	12	1	2	2	2	2	2	1	2
9441	1969	CADI	FLEE	103570	2	4	2	3	3	2	4	4	2	2	4	3	1	5	3	3	3	4	4	4	2	1	0	13	9	1	2	2	2	2	2	1	2
9442	1969	CHEV	NOVA	90573	2	4	3	3	3	3	3	4	3	3	4	3	1	5	4	3	4	4	4	4	4	1	15	0	0	1	2	2	2	2	2	1	2
9443	1969	CHEV	CAPR	74861	1	4	2	3	3	3	3	4	3	3	4	3	1	6	3	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
9444	1969	CHEV	CHEL	62691	2	4	3	4	3	2	4	4	3	3	3	3	1	5	3	3	3	4	4	4	10	1	0	19	14	1	2	2	2	1	2	2	2
9445	1969	CHEV	IMPA	48122	1	4	2	4	2	3	4	4	3	2	4	3	1	15	3	3	4	4	4	4	4	1	0	0	0	1	2	2	2	2	2	1	2
9446	1969	CHEV	IMPA	89441	1	4	3	4	2	3	4	4	2	3	4	3	2	4	2	3	4	4	4	4	4	1	0	15	0	1	2	2	2	2	2	1	2
9447	1969	CHEV	NOVA	93757	2	4	2	3	3	3	3	4	3	3	4	3	1	5	4	3	3	4	4	4	4	1	16	0	0	1	2	2	2	2	2	1	2
9448	1969	CHEV	IMPA	41133	2	4	2	3	3	2	4	4	4	3	3	3	2	6	3	3	4	4	4	3	3	1	0	0	0	1	2	2	2	2	2	1	2
9449	1969	CHRY	NEWP	71367	2	4	1	4	1	4	4	4	4	1	4	4	1	10	4	4	1	4	4	4	1	1	0	15	11	1	2	2	2	2	2	1	2
9450	1969	DODG	CORO	75007	2	3	3	3	3	2	4	4	3	3	4	3	1	1	2	3	4	4	4	4	3	1	15	0	0	1	2	2	2	2	2	1	2
9451	1969	FORD	MUST	45344	1	4	2	4	3	2	4	4	3	3	4	3	2	10	2	3	4	4	4	4	2	2	0	0	0	1	2	2	2	2	2	1	2
9452	1969	FORD	GALA	43687	1	4	2	3	3	2	4	4	2	2	4	3	1	3	3	3	3	4	4	4	3	1	18	0	0	1	2	2	2	2	2	1	2
9453	1969	FORD	TORI	159578	1	4	4	3	3	3	4	4	2	3	4	3	1	30	3	3	4	4	4	4	4	1	16	0	0	1	2	2	2	2	2	1	2
9454	1969	FORD	XL	101443	2	2	1	4	2	3	4	4	4	2	4	3	1	6	3	4	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
9455	1969	FORD	STAW	56825	2	2	2	4	2	3	4	3	4	2	4	3	1	1	4	2	2	4	4	4	10	1	0	20	0	1	2	2	2	2	2	1	2
9456	1969	FORD	STAW	140055	2	4	4	3	3	2	4	4	4	1	4	4	1	10	1	3	3	3	4	3	20	1	0	0	0	1	2	2	2	2	2	2	1
9457	1969	MERC	STAW	100963	2	4	3	4	2	3	3	4	2	3	4	3	1	4	4	3	3	4	4	4	2	1	16	18	15	1	2	2	2	2	2	1	2
9458	1969	OLDS	[illegible]	94680	1	4	1	4	1	4	4	4	1	4	4	4	1	3	1	4	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
9459	1969	OLDS	CUTL	93645	2	4	3	1	3	4	4	4	1	3	3	3	1	6	3	2	3	4	4	4	4	1	0	16	13	1	2	2	2	2	2	1	2
9460	1969	PLYM	SATE	119485	1	4	4	2	3	3	3	4	3	3	3	3	2	4	3	3	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
9461	1969	PLYM	VALI	61881	2	4	1	4	2	3	3	4	3	2	3	3	1	2	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
9462	1969	PONT	STAW	76494	2	4	2	4	3	2	4	4	4	2	4	3	1	5	4	3	2	4	4	4	2	1	15	0	0	1	2	2	2	2	2	1	2
9463	1969	PONT	BONN	61517	1	4	2	4	3	2	4	4	3	3	3	3	1	5	3	4	4	4	4	4	4	1	10	0	0	1	2	2	2	2	2	1	2
9464	1969	PONT	CATA	97671	1	4	3	3	3	2	4	4	3	3	4	3	1	5	3	3	3	4	4	4	4	1	0	17	13	1	2	2	2	2	2	1	2
9465	1969	TOYO	CORO	70919	1	4	3	3	3	2	4	4	3	3	4	3	1	1	3	3	4	4	4	4	6	1	15	0	0	1	2	2	2	2	2	1	2
9466	1969	VOLK	SEDA	147229	2	4	5	3	3	2	4	4	3	4	2	4	1	3	4	4	4	4	4	4	15	4	0	0	20	1	2	1	2	2	2	2	2
9467	1969	VOLK	SEDA	84704	2	4	2	4	2	3	4	4	2	3	4	4	1	1	3	3	3	4	4	4	6	1	0	0	21	1	2	2	2	2	2	1	2
9705	1969	MERB	220D	80606	2	4	3	3	3	3	3	3	4	4	4	3	1	20	3	3	2	4	4	4	2	1	33	35	0	1	2	2	2	2	2	1	2
9719	1969	MERB	220D	128695	2	4	4	3	3	2	4	4	3	2	2	3	3	12	1	3	4	4	4	4	15	1	25	27	23	1	2	2	2	2	2	1	2
8468	1968	AMC	REBE	87828	2	4	3	3	3	2	4	4	2	4	3	3	1	16	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
8469	1965	AMC	CLAS	81786	2	1	2	4	2	3	4	4	2	3	4	3	1	1	2	3	4	4	4	4	4	4	0	0	0	1	2	2	2	2	2	1	2
8470	1966	AMC	ROGU	56903	2	4	3	3	3	2	4	4	3	3	4	3	1	3	1	4	4	4	4	4	4	1	15	0	0	1	3	2	2	2	2	1	2
8471	1967	BUIC	LESA	98820	2	4	2	4	2	3	4	4	2	3	4	3	1	6	3	3	2	4	4	4	5	1	9	11	9	1	2	2	2	2	2	1	2
8472	1968	BUIC	ELEC	52599	1	4	1	3	2	3	4	4	3	3	4	3	1	2	3	3	4	4	4	4	1	1	11	14	8	1	2	2	2	2	2	1	2
8473	1968	BUIC	SKYL	147602	1	4	4	3	3	3	3	3	3	4	2	4	1	4	1	4	4	4	4	4	8	4	0	0	12	1	2	2	2	2	2	1	2
8474	1966	CADI	DEVI	100548	2	4	2	3	3	2	2	4	3	3	4	2	1	6	4	3	2	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
8475	1967	CHEV	NOVA	58657	1	4	2	3	3	2	4	4	2	3	2	4	1	2	3	3	4	4	4	4	3	1	0	20	16	1	2	2	2	1	2	2	2
8476	1967	CHEV	STAW	115873	1	4	4	3	3	4	4	4	3	3	4	3	1	3	4	3	1	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
8477	1967	CHEV	IMPA	103904	2	3	2	3	3	2	4	4	4	2	4	3	2	10	2	3	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
8478	1966	CHEV	IMPA	110496	2	4	3	3	3	3	4	4	3	3	3	3	1	8	2	3	4	4	4	4	5	1	0	20	15	1	2	2	2	2	2	1	2
8479	1968	CHEV	IMPA	86445	1	4	2	4	2	3	4	4	2	3	4	3	1	4	3	3	4	4	4	4	7	1	12	0	0	1	2	2	2	2	2	1	2
8480	1967	CHEV	STAW	107987	2	4	3	3	3	2	4	4	3	3	4	3	3	25	2	3	4	4	4	4	6	1	12	0	0	1	2	2	1	2	2	2	2
8481	1967	CHEV	NOVA	68450	1	4	2	4	2	3	3	4	4	2	4	3	1	2	3	3	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
8482	1966	CHEV	MALI	74635	2	3	3	4	2	3	4	4	2	3	4	3	1	5	2	3	4	4	4	4	3	2	14	15	14	1	2	2	2	2	2	1	2
8483	1968	CHEV	MALI	81206	1	4	3	4	2	3	4	4	2	3	4	3	1	7	2	3	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
8484	1968	CHEV	CHEL	72583	1	4	2	3	3	3	4	4	3	3	4	3	1	6	4	3	2	4	4	4	2	1	0	0	15	1	2	2	2	2	2	1	2

APPENDIX B CONT'D

LISTING OF TEST VEHICLE USE DATA

PHOENIX

																				VEHICLE USE													DAMAGE					
VEH	YEAR	MAKE	MODL	ODOM	N	PUR	YMT	F	C	O	I	R	W	S	B	V	L	MI	A	B	C	D	E	F	TR	F	OA	HD	CD	H	U	A	B	C	D	E	F
8485	1968	CHEV	CAPR	94937	1	4	2	4	2	3	4	3	4	2	4	3	1	5	3	3	2	4	4	4	3	1	0	0	11	1	2	2	2	2	2	1	2
8486	1968	CHEV	STAW	111298	1	4	3	4	3	3	4	2	3	3	4	3	1	5	2	3	3	4	4	3	6	1	10	12	8	1	2	1	2	2	2	2	2
8487	1968	CHRY	NEWP	76327	1	4	2	3	2	3	4	4	4	2	4	3	1	5	3	2	4	4	4	4	2	2	14	16	12	1	2	2	2	2	2	1	2
8488	1968	DODG	DART	104107	2	3	2	3	3	3	4	4	1	4	4	4	2	17	1	4	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
8489	1967	DODG	CORO	29880	1	4	1	3	3	2	4	4	4	2	4	3	1	4	3	3	3	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
8490	1968	DODG	POLA	130528	2	4	4	4	3	2	3	4	4	2	4	3	1	2	1	4	4	4	4	4	2	1	0	0	0	1	2	2	2	2	2	1	2
8491	1967	FORD	FALC	117132	2	4	1	4	3	2	4	4	3	3	4	3	1	8	1	4	4	4	4	4	3	1	0	0	0	1	3	2	2	2	2	2	1
8492	1968	FORD	MUST	112842	1	4	3	3	3	2	4	4	3	3	4	3	1	10	2	3	4	4	4	4	4	1	13	0	0	1	2	2	2	2	2	1	2
8493	1968	FORD	FAIR	76598	2	4	2	4	2	3	4	4	2	3	4	3	1	8	2	3	3	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
8494	1968	FORD	CUST	67356	1	4	2	3	3	2	4	4	3	3	4	3	1	5	2	3	4	4	4	4	2	1	13	0	0	1	2	2	2	2	2	1	2
8495	1968	FORD	TORI	92467	1	4	2	4	3	2	4	4	4	2	4	3	1	5	2	3	4	4	4	4	2	1	0	25	17	1	2	2	2	2	2	1	2
8496	1966	FORD	STAW	88012	1	4	3	3	2	3	4	4	2	3	4	3	1	6	2	3	3	4	4	4	6	1	15	0	0	1	2	2	2	2	2	1	2
8497	1966	FORD	FALC	74684	2	4	2	3	3	2	4	4	3	3	4	3	1	4	2	3	4	4	4	4	2	1	16	0	0	1	2	2	2	2	2	1	2
8498	1968	FORD	MUST	63418	1	4	2	4	2	3	3	3	3	2	4	3	1	4	2	3	4	4	4	4	2	1	15	21	14	1	2	2	2	2	2	1	2
8499	1968	FORD	RANC	148760	1	4	5	4	3	4	2	4	4	1	4	3	1	4	1	3	4	4	4	4	10	1	15	17	13	1	2	2	2	2	2	1	2
8500	1967	FORD	STAW	96811	2	4	2	3	3	2	4	4	3	3	4	3	1	4	2	3	4	4	4	4	3	1	0	0	0	1	3	2	2	2	2	2	1
8501	1968	FORD	THND	102109	2	4	4	3	3	2	4	4	2	3	3	3	1	1	1	4	4	4	4	4	2	4	0	12	10	1	1	2	2	2	2	1	2
8502	1965	LINC	CONT	110844	2	2	2	3	3	3	2	4	3	3	3	3	1	4	1	4	4	4	4	4	1	1	8	0	0	1	2	2	2	2	2	1	2
8503	1967	MERC	COUG	120521	2	4	3	4	2	3	4	4	3	3	4	3	1	2	2	3	4	4	4	4	3	2	15	18	14	1	2	2	2	2	2	1	2
8504	1967	OLDS	CUTL	109615	2	3	1	4	2	3	4	4	2	3	4	4	1	5	1	3	4	4	4	4	3	1	0	0	14	1	2	2	2	2	2	1	2
8505	1965	OLDS	MNTY	97209	1	4	3	4	2	3	4	4	2	3	4	4	1	1	2	3	4	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
8506	1968	OLDS	CUTL	70690	1	4	2	3	3	3	3	4	3	3	4	3	1	6	2	3	4	4	4	4	3	1	12	0	0	1	2	2	2	2	2	1	2
8507	1968	PLYM	SATE	86530	1	4	3	2	3	3	4	4	3	3	4	3	1	5	1	3	3	4	4	4	2	1	13	16	12	1	2	2	2	2	2	1	2
8508	1968	PLYM	FRY3	59120	1	4	2	2	3	3	4	4	3	3	4	3	1	3	4	3	2	4	4	4	2	1	17	0	0	1	2	2	2	2	2	1	2
8509	1968	PLYM	FRY3	89917	2	4	2	3	3	2	4	4	2	3	4	3	1	8	2	3	4	4	4	4	8	1	0	0	0	1	2	2	2	2	2	1	2
8510	1966	PLYM	SPOR	95985	2	4	3	4	2	3	4	4	2	3	4	3	1	10	3	3	4	4	4	4	3	2	0	0	0	1	2	2	2	2	2	1	2
8511	1967	PONT	LEMA	109836	2	3	2	4	3	2	4	4	3	3	4	3	1	30	3	2	4	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
8512	1968	PONT	STAW	107036	2	4	2	2	3	3	4	4	3	3	4	3	1	3	2	3	4	4	4	3	4	1	14	0	0	1	2	2	2	2	2	1	2
8513	1968	PONT	STAW	64563	1	4	2	4	2	3	4	4	4	2	4	3	1	4	3	3	2	4	4	4	6	1	0	0	0	1	2	2	2	2	2	1	2
8514	1968	PONT	CATA	99795	2	4	3	3	2	3	4	4	1	4	4	4	1	10	1	3	4	4	4	4	2	4	0	0	0	1	2	2	2	2	2	1	2
8515	1968	PONT	CATA	82202	1	4	2	3	2	3	4	4	4	2	4	3	1	3	2	3	4	4	4	4	2	1	11	0	0	1	2	2	2	2	2	1	2
8516	1968	VOLK	SEDA	93196	2	1	2	4	2	3	4	4	3	3	4	3	1	4	3	2	4	4	4	4	6	1	0	0	22	1	2	2	2	2	2	1	2
8517	1966	VOLK	SEDA	144913	2	4	3	3	3	2	4	4	3	3	4	3	1	5	2	3	4	4	4	4	4	4	0	31	25	1	2	2	2	2	2	1	2
8701	1968	MERB	220D	99216	2	4	3	2	3	3	4	4	2	3	4	3	3	20	2	3	3	4	4	4	8	4	30	0	0	1	2	2	2	2	2	1	2
8702	1965	MERB	190D	144000	1	4	3	3	3	3	3	4	2	4	4	3	3	26	2	4	4	4	4	4	3	1	29	0	0	1	1	2	2	2	2	1	2
8706	1967	MERB	SEDA	115000	1	4	3	4	2	3	3	3	3	2	4	3	1	5	3	4	3	3	3	4	4	3	0	0	0	1	1	2	2	2	2	1	2
8709	1965	MERB	190D	370000	1	4	3	3	3	2	4	4	3	3	4	3	1	20	3	3	3	4	4	4	3	1	0	0	0	1	2	2	2	2	2	1	2
8716	1967	MERB	200D	70542	2	4	1	4	2	3	4	4	4	3	4	2	1	6	1	4	4	4	4	4	1	3	0	0	28	1	1	2	2	2	2	1	2
8717	1967	MERB	200D	106180	2	4	2	3	3	2	4	4	4	2	4	3	3	14	3	3	3	4	4	4	4	3	28	0	0	1	2	2	2	2	2	1	2
8718	1965	MERB	190D	52096	2	3	1	4	2	3	4	4	3	3	3	3	1	22	2	3	4	4	4	4	4	4	0	0	0	1	2	2	2	2	2	1	2

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APPENDIX C - LISTING OF TEST VEHICLE MAINTENANCE DATA

Legend

VEH - Vehicle Number

YEAR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

VEHICLE IDENT - Vehicle Identification Number

PERFORMANCE PROBS - Any Engine Performance Poblems (1: Yes; 2: No)
- A: Hard Starting
- B: Stalling
- C: Rough Idle
- D: Engine Misfiring
- E: Poor Acceleration
- F: Stumbling
- G: Dieseling (after-run)
- H: Other
- I: No Major Problems

S - Reasonably Satisfied with Engine Performance (1: Yes; 2: most of the time; 3: No)

O - How long ago was the last oil change (1: to new not due; 2: due but not done; 3: 0-6 mos; 4: 6-12 mos; 5: over 1 yr; 6: don't know)

T - How often is vehicle tuned-up (1: no tune-up yet; 2: per mfrs recommendation; 3: every 6 mos; 4: every year; 5: less often; 6: don't know)

L - How long ago was the last tune-up (1: to new not due; 2: due but not done; 3: 0-6 mos; 4: 6-12 mos; 5: over 1 yr; 6: don't know)

U - Who performed this tune-up (1: no tune-up; 2: dealer; 3: independent garage; 4: tune-up clinic; 5: yourself; 6: don't know)

C - Approximately how much did the tune-up cost (dollars or 1: no tune-up; 2: don't know)

R - Would you consider the vehicle has been maintained in accordance with the manufacturer's recommendations (1: Yes; 2: No; 3: not sure; 4: don't know)

W - How many times has this vehicle been returned for warranty repairs (1: no warranty 2: never required 3: once; 4: twice; 5: 3 or more; 6: don't know)

D - Was the vehicle returned for the correction of driveability problems (1: no warranty; 2: never returned; 3: Yes; 4: No)

P - How long ago was it returned for the correction of any driveability problems (1: no warranty; 2: never returned; 3: 0-3 mos; 4: 3-6 mos; 5: over 6 mos; 6: don't know)

V - Does your vehicle require the use of unleaded fuel (1: Yes; 2: No)

N - If your vehicle requires unleaded fuel how often is leaded fuel used (1: not required; 2: never; 3: seldom; 4: occasionally; 5: frequently; 6: don't know)

PB - Lead content of owners fuel (grams per gallon, .1000 indicates any content greater than .0999 grams per gallon)

NAME OF FUEL - Brand name of fuel normally used

MMT - Manganese additive present (0: not inspected; 1: Yes; 2: No; 3: not applicable unleaded fuel not required)

M - Has this vehicle ever been modified by the installation of high performance equipment (1: Yes; 2: No; 3: don't know)

APPENDIX C

LISTING OF TEST VEHICLE MAINTENANCE DATA

DENVER

					PERFORMANCE PROBS																								
VEH	YEAR	MAKE	MODL	VEHICLE IDENT	A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMT	M
7001	1976	CHEV	C10	CGV156U212753	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0230	STANDARD-UNLEADED	0	2
7002	1976	CHEV	G10	CGV156U173038	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0200	VARIES-UNLEADED	0	2
7003	1976	CHEV	VAN	CGL156U197236	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	3	5	4	2	1	2	.0210	VICKERS-UNLEADED	0	2
7004	1976	CHEV	C10	CCL146J120185	2	2	2	2	2	2	2	2	1	1	2	1	2	1	1	1	2	4	2	1	2	.0110	VARIES-UNLEADED	0	2
7005	1976	DODG	VAN	B11AB6U075902	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	1	3	4	2	1	2	.0280	SKELLY-UNLEADED	0	2
7006	1976	DODG	B100	B11AF6X045996	2	2	1	2	2	2	2	2	2	2	3	1	1	1	1	1	5	4	2	1	2	.0280	VARIES-UNLEADED	0	2
7007	1976	FORD	F100	F10DLA55827	2	2	2	2	2	2	2	2	1	1	4	1	1	1	1	1	2	2	2	1	2	.0150	STANDARD-UNLEADED	0	2
7008	1976	FORD	F100	F10HLB66635	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0210	TEXACO-UNLEADED	0	2
7009	1976	FORD	F100	F10HPA51527	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	3	3	2	1	.1000	VARIES-REGULAR	0	2
7010	1976	DATS	PICK	HL020831959	2	2	2	2	2	2	2	2	1	1	3	4	3	2	0	1	3	2	2	2	1	.1000	REGULAR	0	2
7011	1975	CHEV	C10	CCY145F112789	2	1	1	2	1	2	2	2	2	3	3	1	1	1	1	1	3	3	5	1	2	.0090	VARIES-UNLEADED	0	2
7012	1975	CHEV	C10	CCY145F313432	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	1	4	3	5	1	2	.0320	VARIES-UNLEADED	0	2
7013	1975	CHEV	VAN	CGY155U137876	2	2	2	2	2	2	2	2	1	1	3	3	2	1	1	[illegible]	2	2	2	1	2	.0200	VARIES-UNLEADED	0	2
7014	1975	DODG	VAN	B12AE5X001462	1	2	2	2	2	2	2	1	2	1	3	1	2	1	1	1	2	2	2	1	2	.0120	VARIES-UNLEADED	0	2
7015	1975	FORD	F100	F10GLV52621	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	4	4	2	1	2	.0150	VARIES-UNLEADED	0	2
7016	1975	FORD	F100	F10HRV62192	1	2	2	2	1	2	2	2	2	2	3	1	2	1	1	1	1	1	1	1	2	.0110	CHEVRON-UNLEADED	0	2
7017	1975	FORD	E100	E04HHW63167	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	3	4	2	1	2	.0190	VARIES-UNLEADED	0	2
6018	1975	AMC	HORN	A6A057C317475	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	2	2	1	2	.0070	VARIES-UNLEADED	0	2
6019	1976	BUIC	CNTY	4H29H6G104559	2	2	2	2	2	2	2	2	1	1	3	3	3	2	0	1	2	2	2	1	2	.0040	VARIES-UNLEADED	0	2
6020	1976	BUIC	LESA	4P39J6X133925	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.0270	VARIES-UNLEADED	0	2
6021	1976	CADI	DEVI	6D49S6Q243154	2	2	1	2	2	2	2	2	2	1	3	3	3	2	2	1	4	4	2	1	2	.0280	VARIES-UNLEADED	0	2
6022	1975	CHEV	STAW	1C35V6Z450874	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	3	4	1	2	.0230	AMOCO-UNLEADED	0	2
6023	1976	CHEV	CHEL	1C37V6R407032	2	2	2	2	2	1	2	2	2	1	3	4	1	1	1	1	5	4	2	1	2	.0270	PHILLIPS-UNLEADED	0	2
6024	1976	CHEV	STAW	1V15B6U242770	2	2	2	1	2	2	2	2	2	2	3	1	1	1	1	1	5	3	3	1	2	.0270	VARIES-UNLEADED	0	2
6025	1976	CHEV	MONT	1H57U6Z407023	2	1	2	2	2	2	2	2	2	1	3	1	1	1	1	1	5	3	3	1	2	.0080	PHILLIPS-UNLEADED	0	2
6026	1976	CHEV	MONT	1H57Q6Z454618	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	3	4	1	2	.0310	AMOCO-UNLEADED	0	2
6027	1976	CHEV	NOVA	1X69D6L125071	2	1	2	2	2	1	1	1	2	2	3	3	3	2	0	1	5	3	3	1	2	.0400	VARIES-UNLEADED	0	2
6028	1976	CHEV	CHET	1B08E6Y276776	2	2	2	2	2	2	2	1	2	1	3	1	1	1	1	1	5	4	2	1	2	.0040	VARIES-UNLEADED	0	2
6029	1975	DODG	STAW	NL45G6B331301	1	2	2	2	2	2	2	2	2	1	3	1	1	1	1	1	4	4	2	2	1	.1000	VICKERS-REGULAR	0	2
6030	1976	DODG	STAW	NH45C6B436027	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	4	3	3	1	2	.0070	VARIES-UNLEADED	0	2
6031	1976	FORD	PINT	6X11Y219655	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0290	FINA-UNLEADED	0	2
6032	1976	FORD	LTD	6B63S231296	2	2	2	2	2	2	1	2	2	1	2	4	1	1	1	1	3	2	2	1	2	.0150	VARIES-UNLEADED	0	2
6033	1976	FORD	ELIT	6G21H157774	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	4	2	1	2	.0440	VARIES-UNLEADED	0	2
6034	1975	FORD	GRAN	6W81L236766	2	1	2	2	2	1	2	2	2	2	3	4	1	1	1	1	4	2	2	1	2	.0320	VARIES-UNLEADED	0	2
6035	1976	FORD	GRAN	6W81F205773	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0070	VARIES-UNLEADED	0	2
6036	1976	FORD	STAW	6H43H176973	2	2	2	2	1	2	2	2	2	1	3	1	1	1	1	1	4	3	5	1	3	.0240	VARIES-UNLEADED	0	2
6037	1976	MERC	COUG	6A93S571147	2	2	1	2	1	2	2	2	2	3	3	1	1	1	1	1	5	3	3	1	2	.0200	VARIES-UNLEADED	0	2
6038	1976	MERC	COME	6K30L527332	2	2	2	2	2	2	2	1	2	2	3	1	1	1	1	1	5	3	3	1	2	.0260	VARIES-UNLEADED	0	2
6039	1976	OLDS	CUTL	3J29R6M232532	2	1	1	2	2	2	2	2	2	1	3	3	3	2	50	1	5	3	3	1	2	.0190	CONOCO-UNLEADED	0	2
6040	1976	OLDS	STAW	3J35R6R125428	2	2	2	2	2	2	2	2	1	1	3	4	2	1	1	1	3	4	2	1	2	.0350	STANDARD-UNLEADED	0	2
6041	1976	OLDS	TORO	3Z57L6M717960	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	4	4	2	1	2	.0270	VARIES-UNLEADED	0	2
6042	1976	PLYM	VOLA	HL29C6B432927	1	2	2	2	2	1	2	2	2	3	3	1	1	1	1	1	5	3	4	1	2	.0080	VARIES-UNLEADED	0	2
6043	1976	PLYM	FURY	RH23G6A214891	1	2	2	2	2	2	2	2	2	1	3	1	1	1	1	1	5	4	2	1	2	.0270	FINA-UNLEADED	0	2
6044	1976	PONT	LEMA	2D29M6P122042	2	2	2	2	2	2	2	1	2	2	6	4	1	1	1	1	2	2	2	1	2	.0300	TEXACO-UNLEADED	0	2
6045	1976	PONT	STAW	2G35N6P321965	2	2	2	2	2	2	2	2	1	2	3	1	1	1	1	1	5	3	3	1	2	.0340	VARIES-UNLEADED	0	2
6046	1976	DATS	B210	HLB210908179	2	2	2	2	2	2	2	2	1	1	3	3	3	2	0	1	3	2	2	2	1	.1000	VICKERS-UNLEADED	0	2
6047	1976	DATS	STAW	HLA10884741	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	2	1	.1000	VARIES-REGULAR	0	2
6048	1976	TOYO	STAW	TK38048287	2	2	2	2	2	2	2	1	2	1	3	1	1	1	1	1	2	2	2	2	1	.1000	VARIES-REGULAR	0	2
6049	1976	TOYO	CELI	RA29034485	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	4	2	2	1	.1000	VARIES-REGULAR	0	2
6050	1976	VOLK	DASH	3262049666	2	2	1	2	2	2	2	2	2	1	3	1	2	1	1	1	3	4	2	2	1	.1000	PHILLIPS-REGULAR	0	2
6051	1976	VOLK	RABB	1763256151	2	2	2	2	2	2	2	2	1	1	3	3	3	5	0	1	5	4	2	1	2	.0200	VARIES-UNLEADED	0	2
5052	1975	AMC	STAW	A5A087A161314	2	1	1	2	2	1	1	2	2	2	3	4	3	4	30	1	5	3	3	1	2	.0200	VARIES-UNLEADED	0	2
5053	1975	BUIC	CNTY	4H57J5Z100854	2	1	2	2	2	2	2	2	2	1	3	4	5	4	0	1	5	4	2	1	2	.0350	CONOCO-UNLEADED	0	2
5054	1975	BUIC	RIVI	4Z87T5H538422	2	2	2	2	2	2	1	1	2	3	3	3	3	4	0	1	5	3	4	1	2	.0160	VARIES-UNLEADED	0	2
5055	1975	CADI	DEVI	6D49S5Q266571	2	2	2	2	2	2	2	2	1	1	3	4	6	6	2	1	3	3	5	1	2	.0230	PHILLIPS-UNLEADED	0	2
5056	1975	CHEV	VEGA	1V13B5U194800	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	4	4	2	1	2	.0490	MOBIL-UNLEADED	0	2
5057	1975	CHEV	MALI	1D37H5R403582	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0430	VARIES-UNLEADED	0	2
5058	1975	CHEV	IMPA	1L47H5J181406	2	2	2	2	2	2	2	2	1	1	3	4	3	3	30	1	3	4	2	1	2	[illegible]	VARIES-UNLEADED	0	2
5059	1975	CHEV	STAW	1L35U5S143757	1	2	2	2	2	2	2	2	2	1	6	6	6	5	2	1	5	3	5	1	2	[illegible]	VICKERS-UNLEADED	0	2
5060	1975	CHEV	NOVA	1X69D5L138946	2	2	1	2	2	1	2	1	2	1	3	3	4	2	2	1	5	4	2	1	2	.0120	VICKERS-UNLEADED	0	2
5061	1975	CHRY	CORD	SS22K5R119758	2	2	2	2	2	2	2	2	1	1	3	3	3	5	17	1	5	4	2	1	2	.0200	STANDARD-UNLEADED	0	2
5062	1975	DODG	CORO	WL21G5G206701	1	2	2	2	2	2	2	2	2	2	3	3	3	3	50	1	5	4	2	1	2	.0200	VARIES-UNLEADED	0	2
5063	1975	FORD	PINT	5X11Y131124	2	1	2	2	2	2	2	2	2	1	3	4	3	5	5	2	3	4	2	1	3	.0260	VARIES-UNLEADED	0	2
5064	1975	FORD	LTD	5P63H110144	1	2	2	2	2	2	2	2	2	2	3	3	3	2	2	1	3	4	2	1	2	.0450	CONOCO-UNLEADED	0	2
5065	1975	FORD	LTD	5P66S102753	2	2	2	2	2	2	2	2	1	1	3	4	2	1	1	1	3	3	5	1	2	.0330	SHAMROCK-UNLEADED	0	2
5066	1975	FORD	GRAN	5W84L232321	2	2	2	2	2	2	2	2	1	1	3	5	1	1	1	1	3	4	2	1	6	.0250	CONOCO-UNLEADED	0	2
5067	1975	FORD	GRAN	5W82F115083	2	2	2	2	2	2	2	2	1	1	4	1	2	1	1	1	4	4	2	1	3	.0220	VARIES-UNLEADED	0	2
5068	1975	MERC	COUG	5A93S534744	2	2	2	2	2	1	2	2	2	1	3	4	3	3	35	1	3	4	2	1	2	.0140	VARIES-UNLEADED	0	2
5069	1975	OLDS	CUTL	3J57K5R162613	2	2	1	2	1	2	2	2	2	2	3	4	1	1	1	1	5	3	3	1	2	.0200	MOBILE-UNLEADED	0	2
5070	1975	OLDS	MNTY	3J39T5E147067	2	2	2	2	2	2	2	2	1	1	3	4	4	3	70	1	2	2	2	1	2	.0280	VARIES-UNLEADED	0	2
5071	1975	PLYM	DUST	VL29C5B248675	1	2	2	2	1	2	2	2	2	2	3	4	3	2	41	1	5	4	2	1	2	.0100	UNLEADED	0	2
5072	1975	PLYM	FURY	RH41G5A229486	2	2	2	2	2	2	2	2	1	1	3	4	3	2	0	1	5	3	3	1	2	.0200	VARIES-UNLEADED	0	2
5073	1975	PONT	STAW	2G45R5G121209	2	2	1	2	2	2	1	2	2	1	3	4	3	4	30	2	4	4	2	1	2	.1000	VARIES-UNLEADED	0	2
5074	1975	PONT	FIRE	2U87E5N529484	1	2	1	1	1	2	2	2	2	3	3	3	3	3	60	1	5	4	2	1	2	.0410	VARIES-UNLEADED	0	2
5075	1975	DATS	B210	HLB210575820	2	1	2	2	2	2	2	2	2	1	3	4	3	2	54	1	5	2	2	2	1	.1000	VARIES-REGULAR	0	2
5076	1975	TOYO	CORO	RT105003107	1	2	2	2	2	2	2	2	2	1	3	5	2	1	1	1	4	2	2	2	1	.1000	STANDARD-REGULAR	0	1
5077	1975	TOYO	CORO	TK31064930	2	2	2	2	2	2	2	2	1	1	3	4	3	3	30	1	2	2	2	2	1	.1000	VARIES-REGULAR	0	2
5078	1975	VOLK	SEDA	1152028330	2	1	2	2	2	2	2	2	2	3	3	4	3	2	30	1	5	3	3	2	1	.1000	VARIES-REGULAR	0	2
5079	1975	VOLK	RABB	1753145903	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0090	VARIES-UNLEADED	0	2
5080	1974	AMC	MATA	A4A157R470430	2	2	2	2	2	2	2	2	1	1	3	5	2	1	1	2	5	2	2	2	1	N/A	PHILLIPS-REGULAR	0	2

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APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

DENVER

					PERFORMANCE PROBS																								
VEH	YEAR	MAKE	MODL	VEHICLE IDENT	A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MNT	M
4081	1974	BUIC	LESA	4P39T4X116652	2	2	1	2	2	2	2	2	2	1	3	4	3	3	42	1	5	3	5	2	1	N/A	PREMIUM	0	2
4082	1974	CADI	DEVI	6D49R4Q168827	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	1	1	1	1	2	N/A	UNLEADED	0	2
4083	1974	CHEV	VEGA	1V77A4U169030	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	3	4	2	2	1	N/A	UNLEADED	0	2
4084	1974	CHEV	MALI	1D29H4R506390	2	2	2	2	2	2	2	2	1	1	3	4	3	3	2	3	2	2	2	2	1	N/A	REGULAR	0	2
4085	1974	CHEV	NOVA	1Y27D4K160034	2	2	2	2	2	2	2	2	1	1	3	3	3	5	27	1	1	1	1	2	1	N/A	REGULAR	0	2
4086	1974	CHEV	NOVA	1Y27H4L188542	2	2	1	2	2	2	2	1	2	3	4	4	4	3	2	2	5	3	5	2	1	N/A	VARIES-UNLEADED	0	2
4087	1974	CHEV	VETT	1Z67T4S404346	2	2	2	2	2	2	2	2	1	1	3	6	3	3	2	1	4	2	2	2	1	N/A	STANDARD-REGULAR	0	2
4088	1974	CHEV	IMPA	1L47H4S156382	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	4	2	2	2	1	N/A	VARIES-REGULAR	0	2
4089	1974	CHRY	NEWP	CL41M4C100775	1	2	2	2	2	2	2	2	2	1	3	5	5	5	5	1	5	3	5	2	1	N/A	REGULAR	0	2
4090	1974	DODG	CORO	WH41G4A117527	1	1	2	2	2	2	2	2	2	2	3	3	3	2	15	1	3	2	2	2	1	N/A	VARIES-REGULAR	0	2
4091	1974	FORD	STAW	4X12X156329	1	2	2	2	2	2	2	2	2	1	3	3	3	5	10	1	5	4	2	2	1	N/A	REGULAR	0	2
4092	1974	FORD	MAVE	4K91F130493	2	2	2	2	2	2	2	2	1	1	3	4	5	2	0	1	4	3	5	2	1	N/A	VARIES-REGULAR	0	2
4093	1974	FORD	MAVE	4K91L200069	2	2	2	2	2	2	2	2	1	1	3	4	3	5	12	1	2	2	2	2	1	N/A	REGULAR	0	2
4094	1974	FORD	GALA	4P58S105116	2	2	2	2	2	2	2	2	1	1	4	5	3	5	14	2	2	2	2	2	1	N/A	REGULAR	0	2
4095	1974	FORD	TORI	4H30H172647	2	2	2	2	2	2	2	2	1	1	3	3	3	3	17	1	1	1	1	2	1	N/A	REGULAR	0	2
4096	1974	MERC	COME	4K30F554983	2	2	2	2	2	2	2	2	1	1	3	3	4	2	43	1	2	2	2	2	1	N/A	SHAMROCK-REGULAR	0	2
4097	1974	OLDS	CUTL	3G29K4M244798	2	2	2	2	2	2	2	2	1	1	3	4	3	5	12	1	2	2	2	2	1	N/A	REGULAR	0	2
4098	1974	OLDS	NNTY	3X39T4M193204	2	2	2	2	2	2	2	2	1	1	3	5	5	2	2	1	3	4	2	2	1	N/A	REGULAR	0	2
4099	1974	PLYM	SATE	RH41G4A271264	2	2	2	2	2	2	2	2	1	1	3	4	4	3	12	1	2	2	2	2	1	N/A	REGULAR	0	2
4100	1974	PLYM	DUST	VL29C4G133398	2	2	2	2	2	2	2	2	1	1	3	5	5	6	2	2	4	4	2	2	1	N/A	REGULAR	0	2
4101	1974	PONT	FIRE	2S87M4N132160	2	2	2	2	1	2	2	2	2	1	3	3	4	1	1	1	1	1	1	2	1	N/A	VARIES-PREMIUM	0	2
4102	1974	DATS	STAW	HL610824964	2	2	2	2	2	2	2	2	1	2	3	3	3	4	4	1	5	4	2	2	1	N/A	REGULAR	0	2
4103	1974	TOYO	CORO	TE270429903	2	2	2	2	2	2	2	2	1	1	5	3	5	5	2	1	3	4	2	2	1	N/A	REGULAR	0	2
4104	1974	TOYO	CORO	RT114005846	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	3	1	1	1	2	1	N/A	REGULAR	0	2
4105	1974	VOLK	SEDA	1342509669	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	2	2	2	2	1	N/A	REGULAR	0	2
4106	1974	VOLK	SEDA	1142678777	2	2	2	2	2	2	2	2	1	1	3	3	3	2	23	1	2	2	2	2	1	N/A	REGULAR	0	2
3107	1973	AMC	STAW	A3B087E292550	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	4	1	1	1	2	1	N/A	REGULAR	0	2
3108	1973	BUIC	CNTR	4P67U3X112702	2	2	2	2	2	2	2	2	1	3	3	3	5	3	2	2	2	2	2	1	1	N/A	REGULAR	0	2
3109	1973	BUIC	REGA	4J57H3H160351	2	2	2	2	2	2	2	2	1	1	3	4	5	2	2	1	2	2	2	2	1	N/A	UNLEADED	0	2
3110	1973	CADI	DEVI	6D47R3Q158479	2	2	2	2	2	2	2	2	1	3	3	4	5	6	2	1	2	2	2	2	1	N/A	REGULAR	0	2
3111	1973	CHEV	STAW	1V15B3U197391	2	2	2	2	2	2	1	2	2	1	3	3	4	2	40	1	5	3	4	2	1	N/A	EXXON-REGULAR	0	2
3112	1973	CHEV	MONT	1H57H3K568021	2	2	2	2	2	2	2	2	1	1	3	4	3	5	2	1	3	2	2	2	1	N/A	VARIES-REGULAR	0	2
3113	1973	CHEV	NOVA	1V27H3L121570	2	2	2	2	2	2	2	2	1	1	3	2	4	3	2	1	2	4	2	2	1	N/A	REGULAR	0	2
3114	1973	CHEV	IMPA	1L39H3S262904	2	2	2	2	2	2	2	2	1	1	3	4	3	5	15	1	5	3	5	2	1	N/A	REGULAR	0	2
3115	1973	CHEV	IMPA	1L39H3S107753	2	2	1	2	2	2	2	2	2	1	3	3	3	3	2	1	4	4	2	2	1	N/A	REGULAR	0	2
3116	1973	DODG	DART	LH41C3R138187	2	2	2	2	2	2	2	2	1	1	3	4	4	3	18	1	2	2	2	2	1	N/A	TEXACO-REGULAR	0	2
3117	1973	FORD	PINT	3X11X232896	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	2	2	2	2	1	N/A	FINA-REGULAR	0	2
3118	1973	FORD	TORI	3A31H339464	2	2	2	2	2	2	2	2	1	1	3	3	3	4	30	1	3	2	2	2	1	N/A	CONOCO-REGULAR	0	2
3119	1973	FORD	MAVE	3K92F226897	2	2	2	2	2	2	2	2	1	1	3	2	4	5	8	1	1	1	1	2	1	N/A	FINA-REGULAR	0	2
3120	1973	FORD	CUST	3N53H144666	2	2	2	2	2	2	2	2	1	1	3	4	5	3	25	1	4	4	2	2	1	N/A	REGULAR	0	2
3121	1973	FORD	LTD	3P63S144179	2	2	2	2	2	2	2	2	1	1	3	4	3	4	31	1	4	3	5	2	1	N/A	REGULAR	0	2
3122	1973	MERC	MONT	3Z44S507959	2	2	2	2	2	2	2	2	1	1	3	4	3	2	38	1	2	2	2	2	1	N/A	REGULAR	0	2
3123	1973	OLDS	STAW	3Q35T3X100325	2	2	2	2	2	2	2	2	1	1	3	3	3	3	30	1	2	2	2	2	1	N/A	REGULAR	0	2
3124	1973	OLDS	CUTL	3J57K3R136416	2	2	2	2	2	2	2	2	1	1	3	5	3	3	50	1	5	4	2	2	1	N/A	REGULAR	0	2
3125	1973	PLYM	SATE	RH41G3A250640	2	2	1	2	2	2	2	2	2	1	6	4	5	2	2	1	6	4	5	2	1	N/A	REGULAR	0	2
3126	1973	PLYM	VALI	VL41C3R305685	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	2	2	2	2	1	N/A	REGULAR	0	2
3127	1973	PONT	CATA	2L69R3C125899	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	3	2	2	2	1	N/A	TEXACO-REGULAR	0	2
3128	1973	PONT	STAW	2D45M3G123976	2	2	2	2	2	2	2	2	1	1	3	4	4	5	2	1	3	4	2	2	1	N/A	REGULAR	0	2
3129	1973	DATS	240Z	HLS30148786	2	2	1	2	2	2	1	2	2	2	4	4	4	4	70	1	3	2	2	2	1	N/A	VARIES-REGULAR	0	1
3130	1973	OPEL	MANT	0L77NC9997233	2	2	2	2	1	2	2	2	2	1	3	4	4	2	2	1	4	4	2	2	1	N/A	REGULAR	0	2
3131	1973	TOYO	CORO	KE201614923	2	2	2	2	2	2	2	2	1	1	6	5	5	2	2	4	2	2	2	2	1	N/A	REGULAR	0	2
3132	1973	VOLK	STAW	4632069000	2	2	1	2	2	2	2	2	2	1	3	6	3	5	2	1	3	2	2	2	1	N/A	VARIES-PREMIUM	0	2
3133	1973	VOLK	SEDA	1332403185	2	2	2	2	2	2	2	2	1	1	3	3	3	2	30	1	4	4	2	2	1	N/A	REGULAR	0	2
2134	1972	AMC	GREM	A2A465A271024	2	2	2	2	2	2	2	2	1	1	3	3	3	5	10	1	2	2	2	2	1	N/A	REGULAR	0	2
2135	1972	BUIC	STAW	4R35T2R228364	2	2	2	2	2	2	2	2	1	1	3	3	3	5	6	1	3	4	2	2	1	N/A	REGULAR	0	2
2136	1972	CADI	DEVI	6D49R2Q114711	2	2	2	2	2	2	1	2	2	1	3	4	3	3	2	2	3	2	2	2	1	N/A	VARIES-PREMIUM	0	2
2137	1972	CHEV	STAW	1V15B2U298245	2	2	2	2	2	2	1	2	2	3	6	6	6	6	2	4	1	1	1	2	1	N/A	REG&PREMIUM	0	2
2138	1972	CHEV	MALI	1D69J2R603812	2	2	2	2	1	2	2	2	2	1	3	5	5	2	2	2	5	3	5	2	1	N/A	REGULAR	0	2
2139	1972	CHEV	ELCA	1D80H2L513081	2	2	2	2	2	2	2	2	1	1	3	5	6	6	2	2	5	4	2	2	1	N/A	REGULAR	0	2
2140	1972	CHEV	NOVA	1X69F2W413252	2	2	2	2	2	2	2	2	1	1	3	4	3	5	35	1	5	4	2	2	1	N/A	VICKERS-REGULAR	0	2
2141	1972	CHEV	IMPA	1M39R2C208939	1	2	2	2	2	2	2	2	2	1	3	4	3	3	2	1	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
2142	1972	CHEV	IMPA	1M69R2J220482	2	2	1	2	2	2	1	2	2	1	3	4	4	3	35	1	4	4	2	2	1	N/A	REGULAR	0	2
2143	1972	DODG	CHAR	WH23G2G137428	2	2	2	2	2	2	2	2	1	1	3	4	3	2	35	1	4	4	2	2	1	N/A	REGULAR	0	2
2144	1972	FORD	PINT	2K11X159002	2	2	2	2	2	2	2	2	1	1	4	5	5	3	33	1	4	2	5	2	1	N/A	HUSKY-REGULAR	0	2
2145	1972	FORD	TORI	2H31H148854	2	2	2	2	2	2	2	2	1	1	3	3	3	3	30	1	4	4	2	2	1	N/A	REGULAR	0	2
2146	1972	FORD	MAVE	2K92F196670	1	2	2	2	2	2	2	2	2	2	4	5	5	4	2	2	3	2	2	2	1	N/A	VARIES-REGULAR	0	2
2147	1972	FORD	GALA	2W54H152595	2	2	2	2	2	2	2	2	1	1	4	3	3	5	10	1	1	1	1	2	1	N/A	VARIES-REGULAR	0	2
2148	1972	FORD	STAW	2P74S135625	2	2	2	2	2	2	2	2	1	1	3	3	3	3	25	1	3	4	2	2	1	N/A	REGULAR	0	2
2149	1972	MERC	MONG	2H10S611332	2	2	2	2	2	2	1	1	2	1	3	3	3	4	60	1	5	2	2	2	1	N/A	VARIES-REGULAR	0	2
2150	1972	OLDS	CUTL	3J67H2M207893	2	1	2	2	2	2	1	2	2	1	3	5	3	5	8	1	6	4	6	2	1	N/A	REGULAR	0	2
2151	1972	PLYM	DUST	VL29C2B520418	2	2	2	2	2	2	2	2	1	1	3	5	5	3	0	3	5	3	5	2	1	N/A	VARIES-REGULAR	0	2
2152	1972	PLYM	FRY3	PH43K2D214977	2	2	2	2	2	2	2	2	1	1	3	4	5	5	8	1	2	2	2	2	1	N/A	STANDARD-REGULAR	0	2
2153	1972	PONT	CATA	2L69R2C328402	2	2	1	2	2	2	2	2	2	1	3	4	4	5	2	1	5	2	2	2	1	N/A	SINCLAIR-REGULAR	0	2
2154	1972	PONT	VENT	2Y27M2L114920	2	2	2	2	2	2	2	1	2	1	3	4	4	4	23	1	1	1	1	2	1	N/A	STANDARD-REGULAR	0	2
2155	1972	DATS	510	PL510374704	1	1	1	2	2	2	2	2	2	1	3	4	4	2	2	1	2	2	2	2	1	N/A	REGULAR	0	2
2156	1972	TOYO	CORO	RT65002614	1	2	2	2	2	2	2	2	2	1	3	3	3	5	12	1	3	3	5	2	1	N/A	REGULAR	0	2
2157	1972	VOLK	SEDA	1122365066	2	2	2	2	2	2	2	2	1	1	3	3	3	5	20	1	3	2	2	2	1	N/A	VARIES-REGULAR	0	2
2158	1972	VOLK	SEDA	1122713835	2	2	2	2	2	2	2	2	1	1	3	4	3	3	35	1	5	2	2	2	1	N/A	VARIES-REGULAR	0	2
1159	1971	BUIC	STAW	460451C115861	2	2	1	2	2	2	2	2	2	2	3	3	3	3	50	1	5	4	5	2	1	N/A	PREMIUM	0	2
1160	1971	BUIC	RIVI	494871H929595	2	2	2	2	2	2	2	2	1	1	3	4	3	2	0	1	6	2	2	2	1	N/A	VARIES-PREMIUM	0	3

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

DENVER

					PERFORMANCE PROBS																								
VEH	YEAR	MAKE	MODL	VEHICLE IDENT	A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMT	M
1161	1971	CHEV	VEGA	141771U303635	2	2	2	2	1	2	1	2	2	2	3	3	3	3	30	1	3	2	2	2	1	N/A	AMOCO-UNLEADED	0	2
1162	1971	CHEV	NOVA	114691W149033	2	2	2	2	2	2	2	2	1	1	4	5	5	5	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	0	2
1163	1971	CHEV	NOVA	113271W190033	2	2	1	2	1	2	1	2	2	1	3	4	4	3	35	1	1	1	1	2	1	N/A	CONOCO-REGULAR	0	2
1164	1971	CHEV	IMPA	164571S258229	2	2	2	2	2	2	2	2	1	2	3	4	3	3	55	3	3	4	2	2	1	N/A	REGULAR	0	2
1165	1971	CHEV	IMPA	164471Y103765	1	2	2	2	2	2	1	2	2	1	3	4	3	5	12	1	4	2	2	2	1	N/A	SHAMROCK-REGULAR	0	3
1166	1971	CHRY	NEWY	CH41T1C219303	2	2	2	2	2	2	2	2	1	1	3	3	3	3	45	1	2	2	2	2	1	N/A	STANDARD-PREMIUM	0	2
1167	1971	DODG	STAW	WL45G1G185634	2	2	2	2	2	2	2	2	1	1	3	5	5	2	50	2	2	2	2	2	1	N/A	REGULAR	0	2
1168	1971	FORD	PINT	1R11X168925	2	2	2	2	2	2	2	2	1	1	3	3	3	3	50	1	2	2	2	2	1	N/A	REGULAR	0	2
1169	1971	FORD	TORI	1A25F141982	2	2	2	2	2	2	2	2	1	1	3	3	3	4	30	1	1	1	1	2	1	N/A	REGULAR	0	2
1170	1971	FORD	MAVE	1X92T288014	2	2	2	2	2	2	2	2	1	1	4	4	4	3	30	2	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
1171	1971	FORD	GALA	1P58H149531	2	2	2	2	2	2	2	2	1	1	4	4	4	2	30	1	3	4	2	2	1	N/A	REGULAR	0	2
1172	1971	FORD	LTD	1P64S177728	2	2	2	2	2	2	2	2	1	1	3	3	5	3	55	1	3	2	2	2	1	N/A	VARIES-REGULAR	0	2
1173	1971	MERC	COUG	1F93H508306	2	2	2	2	2	2	2	2	1	1	3	3	3	6	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	0	2
1174	1971	OLDS	MNTY	386391M431525	1	2	2	2	2	2	2	2	2	1	6	6	3	5	2	2	2	2	2	2	1	N/A	REGULAR	0	2
1175	1971	PLYM	SATE	RH41G1G156200	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	5	2	2	2	1	N/A	VARIES-REGULAR	0	2
1176	1971	PONT	STAW	262451C304711	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	1	1	1	2	1	N/A	PREMIUM	0	2
1177	1971	PONT	LEMA	233371P166749	2	2	2	2	2	2	2	2	1	1	3	4	4	4	2	1	2	2	2	2	1	N/A	REGULAR	0	2
1178	1971	DATS	STAW	PL510923725	2	2	2	2	2	2	2	2	1	1	3	4	4	5	27	1	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
1179	1971	TOYO	CORO	RT62234791	1	2	2	1	2	1	2	2	2	2	6	4	4	6	2	1	1	1	1	2	1	N/A	REGULAR	0	2
1180	1971	VOLK	STAW	2212225320	2	2	2	2	2	2	2	2	1	1	3	3	3	3	25	1	2	2	2	2	1	N/A	REGULAR	0	2
0181	1970	AMC	HORN	A0A060E289396	1	1	1	2	2	2	1	2	2	2	3	5	5	4	2	2	5	2	2	2	1	N/A	CONOCO-REGULAR	0	2
0182	1970	BUIC	GRAN	446370K123798	2	2	2	2	2	2	2	2	1	1	3	3	3	2	40	1	3	4	5	2	1	N/A	PREMIUM	0	2
0183	1970	CHEV	CHEL	136690R220004	1	2	1	2	2	2	2	2	2	1	3	3	3	4	30	1	2	2	2	2	1	N/A	PHILLIPS-REGULAR	0	2
0184	1970	CHEV	CHEL	136690L565781	2	2	2	2	2	2	2	2	1	1	4	3	3	3	2	1	5	4	2	2	1	N/A	REGULAR	0	2
0185	1970	CHEV	MONT	138570L137913	2	2	1	2	2	2	2	2	2	1	3	3	3	3	2	1	2	2	2	2	1	N/A	PHILLIPS-REGULAR	0	2
0186	1970	CHEV	IMPA	164690J205795	2	2	2	2	2	2	2	2	1	1	3	3	3	5	20	1	3	4	2	2	1	N/A	REGULAR	0	2
0187	1970	CHEV	STAW	164460S147327	2	2	2	2	2	2	2	2	1	1	3	4	5	6	2	1	1	1	1	2	1	N/A	REGULAR	0	2
0188	1970	DODG	CHAL	JH23C0E101756	2	2	2	2	2	2	2	1	2	1	3	3	3	3	30	1	3	2	2	2	1	N/A	VARIES-REGULAR	0	2
0189	1970	FORD	MUST	0F01F121185	2	2	2	2	2	2	2	2	1	1	3	4	4	5	20	1	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
0190	1970	FORD	LTD	0T62Y165076	1	2	2	2	2	2	2	2	2	1	3	3	3	5	25	1	1	1	1	2	1	N/A	VARIES-REGULAR	0	2
0191	1970	FORD	GALA	0P55H106642	2	2	2	2	2	2	2	2	1	1	3	4	4	3	35	3	1	1	1	2	1	N/A	VARIES-REGULAR	0	3
0192	1970	FORD	TORI	0H31H162996	2	2	2	2	2	2	2	2	1	1	3	4	4	3	18	1	2	2	2	2	1	N/A	REGULAR	0	2
0193	1970	MERC	MONR	0244Y623297	1	2	1	1	2	1	2	2	2	3	3	4	4	5	19	1	1	1	1	2	1	N/A	SINCLAIR-REGULAR	0	2
0194	1970	OLDS	CUTL	336390Z115376	2	2	2	2	2	2	2	2	1	1	3	5	3	5	7	1	4	2	2	2	1	N/A	VARIES-REGULAR	0	2
0195	1970	PLYM	FRY2	PL21L0D282169	2	2	2	2	2	2	2	2	1	1	3	4	3	4	2	1	4	2	2	2	1	N/A	VARIES-ETHEL	0	2
0196	1970	PLYM	FRY2	PL21G0D229483	2	2	2	2	2	2	2	2	1	1	3	4	3	4	40	1	3	2	2	2	1	N/A	VARIES-REGULAR	0	2
0197	1970	PONT	LEMA	237370Z119427	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	2	2	2	2	1	N/A	VARIES-PREMIUM	0	2
0198	1970	DATS	STAW	PL510846774	1	2	2	2	2	2	2	2	2	1	3	3	3	2	25	1	5	2	2	2	1	N/A	VARIES-PREMIUM	0	2
0199	1970	TOYO	CORO	RT62168226	2	1	2	2	2	2	1	2	2	2	3	3	3	3	2	1	2	2	2	2	1	N/A	VARIES-PREMIUM	0	2
0200	1970	VOLK	SEDA	1103073845	2	2	2	2	2	2	2	2	1	1	3	3	3	5	7	1	1	1	1	2	1	N/A	VARIES-REGULAR	0	2

APPENDIX C

LISTING OF TEST VEHICLE MAINTENANCE DATA

CHICAGO

VFN	YEAR	MAKE	MODL	VEHICLE IDENT	PERFORMANCE PROBS A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PH	FUEL	MMT	M
7001	1976	CHEV	C10	CCL146J119983	2	2	2	2	2	2	2	2	1	1	3	5	1	1	1	1	4	[illegible]	2	1	2	.0150	ASHLAND-UNLEADED	0	2
7002	1976	CHEV	VAN	CGY156U117609	2	2	2	2	2	2	1	1	2	1	3	1	1	1	1	1	[illegible]	4	2	1	2	.0430	VARIES-UNLEADED	0	2
7003	1976	CHEV	C10	CCL146J129800	2	2	1	2	2	2	2	2	2	1	3	1	1	1	1	1	4	3	4	1	2	.0270	CHECKER-UNLEADED	0	2
7004	1976	CHEV	C10	CCL146F349982	2	2	1	2	2	2	2	2	2	1	3	1	1	1	1	1	2	2	2	1	2	.0310	MOBIL-UNLEADED	0	2
7005	1976	DODG	VAN	B11AE6X079529	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	3	3	1	2	.0240	TEXACO-UNLEADED	0	2
7006	1976	DODG	VAN	B11AB6K006161	2	1	2	1	1	1	1	1	2	3	3	1	2	1	1	1	5	3	3	1	2	.0190	ARCO-UNLEADED	0	2
7007	1976	FORD	F100	F10CGA25141	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	5	.1000	UNLEAD-LEADED	0	2
7008	1976	FORD	F100	F10Y1A78730	2	2	1	1	1	1	2	2	2	2	3	1	1	1	1	1	3	4	2	1	2	.0280	UNLEADED	0	2
7009	1976	FORD	F100	F10YLC09672	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	2	.0260	SHELL-UNLEADED	0	2
7010	1976	FORD	COUR	SGTSA16739	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	4	2	1	2	.0280	SHELL-UNLEADED	0	2
7011	1975	CHEV	C10	CCV145F305851	2	2	2	2	2	2	2	2	1	1	3	5	5	1	1	1	2	2	2	1	2	.0100	VARIES-UNLEADED	0	2
7012	1975	CHEV	G10	CGY155U106976	1	1	1	2	1	1	2	2	2	3	3	1	2	1	1	3	1	1	1	1	2	.0400	CLARK-UNLEADED	0	2
7013	1975	CHEV	VAN	CGY165U164785	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	3	5	1	2	.0400	PHILLIPS-UNLEADED	0	2
7014	1975	DODG	B100	B12AE5X010708	2	2	2	2	2	1	2	2	2	2	3	3	3	3	2	1	4	2	2	1	2	.0330	ARCO	0	2
7015	1975	FORD	F100	F10GLX04452	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	2	5	4	2	1	2	.0160	GAS USA-UNLEADED	[illegible]	2
7016	1975	FORD	F100	F10GLW06707	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	2	2	1	2	.0240	ARCO-UNLEADED	[illegible]	2
7017	1975	FORD	F100	F10YKV23763	1	2	2	2	1	2	2	1	2	2	3	1	2	1	1	1	2	2	2	1	2	.0210	VARIES-UNLEADED	0	2
6018	1976	AMC	HORN	A6C037A165536	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	2	2	1	2	.0320	ARCO-UNLEADED	0	2
6019	1976	BUIC	REGA	4J57H6H107613	2	2	2	2	2	2	2	2	1	1	6	1	1	1	1	2	2	2	2	1	2	.0310	CLARK	0	2
6020	1976	BUIC	STAW	4R45Y6X156386	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	2	2	1	2	.0420	STANDARD-UNLEADED	0	2
6021	1976	CADI	DEVI	6D4756Q317053	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	5	4	2	1	2	.0220	MOBIL	0	2
6022	1976	CHEV	IMPA	1L69V6J124951	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0150	SHELL-UNLEADED	0	2
6023	1976	CHEV	MONT	1H57V6K465437	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	2	.0300	MARLIN-UNLEADED	0	2
6024	1976	CHEV	VEGA	1V77B6U153702	1	2	2	2	2	2	2	2	2	1	3	1	1	1	1	1	5	3	3	1	2	.0260	CITGO	0	2
6025	1976	CHEV	STAW	1N45U6J206112	2	2	2	2	2	2	2	2	1	1	2	2	1	1	1	1	4	3	3	1	2	.0280	ARCO	0	2
6026	1976	CHEV	MALI	1D37Q6D512261	2	1	2	2	1	2	2	2	2	1	1	1	1	1	1	1	3	3	3	1	2	.0270	ARCO-UNLEADED	0	2
6027	1976	CHEV	CAMA	1Q87D6N547008	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0340	SHELL-UNLEADED	0	2
6028	1976	CHEV	CHET	1B0816Y117586	2	2	2	2	1	2	2	2	2	3	3	1	1	1	1	1	3	2	2	1	2	.0100	STANDARD-UNLEADED	0	2
6029	1976	DODG	DART	LL41G6F105794	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	3	4	1	2	.0150	VARIES-UNLEADED	0	2
6030	1976	DODG	DART	LL29C6G112383	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	4	2	1	2	.0230	SHELL	0	2
6031	1976	FORD	MUST	6F02Y183587	2	2	2	2	2	1	2	2	2	1	3	1	1	1	1	3	4	4	2	1	2	.0060	SHELL-UNLEADED	0	2
6032	1976	FORD	LTD	6B65S104351	2	2	2	2	1	2	2	2	2	2	3	1	1	1	1	1	4	4	2	1	2	.0070	CITGO-UNLEADED	0	2
6033	1976	FORD	ELIT	6G21H153041	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	2	2	1	2	.0150	VARIES-UNLEADED	0	2
6034	1976	FORD	MAVE	6K91L161546	2	2	2	2	2	2	2	2	1	2	6	6	6	6	2	3	6	4	6	1	6	.0230	ARCO	0	2
6035	1976	FORD	GRAN	6W81F211477	2	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1	4	3	3	1	2	.0130	FIRECHIEF	0	2
6036	1976	FORD	STAW	6H42H193651	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	2	2	1	2	.0240	TEXACO-UNLEADED	0	2
6037	1976	MERC	MARQ	6Z64S562183	2	2	2	2	2	2	1	2	2	3	1	1	1	1	1	1	4	4	2	1	2	.0090	SHELL-UNLEADED	0	2
6038	1976	MERC	MONA	6W35L542570	2	2	2	2	2	2	2	2	1	1	3	4	2	1	1	1	5	2	2	1	2	.0330	VARIES-UNLEADED	0	2
6039	1976	OLDS	CUTL	3J57F6M245778	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0270	VARIES	0	2
6040	1976	OLDS	CUTL	3G37R6M145155	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0400	SHELL	0	2
6041	1976	OLDS	MNTY	3X37T6M145552	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	5	.0150	STANDARD	0	2
6042	1976	PLYM	VALI	VL41C6F132573	2	2	1	2	2	2	2	2	2	2	3	1	1	1	1	1	5	4	2	1	2	.0100	TEXACO-UNLEADED	0	2
6043	1976	PLYM	FURY	RH23G6A103707	1	2	2	2	2	2	2	2	2	1	3	1	1	1	1	1	4	3	3	1	2	.0300	TEXACO-UNLEADED	0	2
6044	1976	PONT	GRNP	2J57M6A116417	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	3	3	1	2	.0120	EASY GO-UNLEADED	0	2
6045	1976	PONT	TRAN	2W87Z6N570890	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.0140	SHELL-UNLEADED	0	2
6046	1976	DATS	B210	HLB210141335	2	2	1	2	1	2	2	2	2	1	3	2	3	2	78	1	2	2	2	2	1	.1000	ARCO-REGULAR	0	2
6047	1976	DATS	710	JHL710074096	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	2	1	.1000	VARIES-REGULAR	0	2
6048	1976	TOYO	CORO	TE31144823	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.1000	STANDARD-UNLEADED	0	2
6049	1976	TOYO	STAW	RT119012078	2	2	2	2	2	2	2	1	2	1	3	4	2	1	1	1	4	4	2	2	1	.1000	ARCO-REGULAR	0	2
6050	1976	VOLK	RABB	1763201708	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0410	STANDARD-UNLEADED	0	2
6051	1976	VOLK	RABB	1763036211	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	3	3	1	2	.0150	STANDARD-UNLEADED	0	2
6201	1976	AMC	STAW	A6A887H352790	2	2	2	2	2	2	2	1	2	1	3	1	2	1	1	1	3	2	2	1	2	.0340	VARIES-UNLEADED	0	2
6202	1976	AMC	PACE	A6A667A161822	2	1	1	2	1	2	2	2	2	1	2	1	1	1	1	1	2	2	2	1	2	.0100	ARCO-UNLEADED	0	2
6203	1976	AMC	MATA	A6A857H182397	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	4	2	1	2	.0260	GOTANE-UNLEADED	0	2
6204	1976	AMC	GREM	A6A465E121496	2	2	2	2	1	2	2	2	2	1	3	4	3	2	45	1	5	4	2	1	2	.0260	UNION-UNLEADED	0	2
6205	1976	BUIC	CNTY	4E37C6H214826	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0190	ARCO-UNLEADED	0	2
6206	1976	BUIC	LESA	4P57J6X109250	2	1	1	1	1	1	1	2	2	3	3	1	1	1	1	1	5	3	3	1	2	.0400	ARCO	0	2
6207	1976	BUIC	CNTY	4D37J6H173608	2	2	2	2	1	2	2	2	2	1	3	1	1	1	1	1	4	4	2	1	2	.0310	ARCO-UNLEADED	0	2
6208	1976	BUIC	ELEC	4V37X6H454979	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	5	.0210	STANDARD-UNLEADED	0	2
6209	1976	BUIC	REGA	4J57H6H169998	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	1	3	4	2	1	2	.0170	SHELL-UNLEADED	0	2
6210	1976	BUIC	SKYH	4S07C6Z111931	2	2	1	2	2	1	1	2	2	2	1	1	1	1	1	1	3	3	3	1	2	.0170	GAS CITY-UNLEADED	0	2
6211	1976	BUIC	SKYL	4B27F6K144690	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	4	3	1	2	.0210	PETRO-UNLEADED	0	2
6212	1976	CADI	SEVI	6S69R6Q493068	2	1	1	2	2	2	2	2	2	2	3	1	1	1	1	1	5	3	3	1	2	.0240	SHELL-UNLEADED	0	2
6213	1976	CADI	DEVI	6D49S6Q135320	1	1	2	2	1	2	1	2	2	1	3	1	1	1	1	1	5	3	3	1	2	.0090	ARCO-UNLEADED	0	2
6214	1976	CADI	DEVI	6D47S6Q187921	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	2	2	1	2	.0150	VARIES-UNLEADED	0	2
6215	1976	CADI	DEVI	6D47S6Q242298	2	2	1	1	1	1	2	1	2	3	3	1	1	1	1	1	4	3	3	1	2	.0140	UNION76-UNLEADED	0	2
6216	1976	CHEV	CHET	1J08I6Y109336	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	3	5	3	5	1	2	.0090	CITGO-UNLEADED	0	2
6217	1976	CHEV	IMPA	1L47V6J234983	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0320	ARCO-UNLEADED	0	2
6218	1976	CHEV	MONT	1H57Q6B471419	2	2	2	2	1	2	2	2	2	3	3	1	1	1	1	1	5	3	3	1	2	.0340	STANDARD-UNLEADED	0	2
6219	1976	CHEV	IMPA	1L47V6J104170	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	3	3	3	3	1	2	.0270	PHILLIPS-UNLEADED	0	2
6220	1976	CHEV	NOVA	1X27D6W153731	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	3	3	1	2	.0280	GAS FOR LESS	0	2
6221	1976	CHEV	IMPA	1L69V6J115131	2	1	2	2	2	2	2	2	2	1	3	1	1	1	1	1	3	4	2	1	2	.0350	ARCO-UNLEADED	0	2
6222	1976	CHEV	VETT	1Z37L6S423270	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0100	EZGO	0	2
6223	1976	CHEV	STAW	1L35U6J150622	2	2	2	2	2	2	2	1	2	1	3	3	3	5	2	1	3	2	2	1	2	.0120	SHELL-UNLEADED	0	2
6224	1976	CHEV	MONT	1H57V6K424129	2	2	2	2	1	1	2	2	2	2	1	1	1	1	1	1	5	2	2	1	2	.0130	TEXACO-UNLEADED	0	2
6225	1976	CHEV	CAPR	1N39U6J203200	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	4	2	1	2	.0400	SHELL-UNLEADED	0	2
6226	1976	CHEV	CAPR	1N39V6J139626	2	2	2	2	2	2	2	1	2	1	3	1	1	1	1	1	5	4	2	1	2	.0080	SHELL-UNLEADED	0	2
6227	1976	CHEV	MALI	1D29V6B512082	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0400	AMOCO-UNLEADED	0	2
6228	1976	CHEV	VEGA	1V77B6U216396	1	2	2	2	2	2	2	2	2	2	3	1	1	1	1	1	5	3	3	1	2	.0370	MOBIL-UNLEADED	0	2
6229	1975	CHEV	MONZ	1R07G6C121715	2	1	2	2	2	2	2	1	2	1	3	1	1	1	1	1	5	3	3	1	2	.0230	ARCO-UNLEADED	0	2

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

CHICAGO

VEH	YEAR	MAKE	MODL	VEHICLE IDENT	PERFORMANCE PROBS A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMT	M
6230	1976	CHEV	MONT	1H57V6K438153	2	2	1	2	2	2	1	2	2	1	1	1	1	1	1	1	3	2	2	1	2	.0260	ARCO-UNLEADED	0	2
6231	1976	CHEV	MALI	1D37V6B496913	2	1	2	2	1	2	1	2	2	2	3	1	1	1	1	1	2	2	2	1	2	.0260	VARIES-UNLEADED	0	2
6232	1976	CHEV	MALI	1C29V6D417719	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	2	2	1	2	.0420	STANDARD-UNLEADED	0	2
6233	1976	CHEV	MALI	1D29V6D446818	2	2	2	2	1	2	2	2	2	1	3	1	1	1	1	1	5	3	3	1	2	.0210	SHELL-UNLEADED	0	2
6234	1976	CHEV	NOVA	1X27Q6W105196	2	2	2	2	2	2	1	1	2	1	3	1	1	1	1	1	3	2	2	1	2	.0120	ARCO-UNLEADED	0	2
6235	1976	CHEV	STAW	1V15B6U154073	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	2	2	1	2	.0190	SHELL-UNLEADED	0	2
6236	1976	CHEV	MONT	1H57V6D419899	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	2	4	2	2	1	2	.0240	STANDARD-UNLEADED	0	2
6237	1976	CHEV	MALI	1C37D6D511459	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	4	3	3	1	2	.0220	MOBIL-UNLEADED	0	2
6238	1976	CHEV	VEGA	1V11A6U151590	2	2	2	1	2	2	2	2	2	1	3	1	1	1	1	1	3	4	3	1	2	.0140	SHELL-UNLEADED	0	2
6239	1976	CHEV	NOVA	1X69D6W105919	2	2	2	2	2	2	1	2	2	1	3	1	1	1	1	1	2	2	2	1	2	.0210	MOBIL-UNLEADED	0	2
6240	1976	CHRY	NEWP	CL41M6D146561	1	2	2	2	2	1	2	2	2	2	3	1	1	1	1	1	5	3	3	1	2	.0310	TEXACO-UNLEADED	0	2
6241	1976	CHRY	NEWP	CM43M6C111844	1	1	1	2	1	2	2	2	2	3	1	1	1	1	1	1	5	3	3	1	2	.0220	VARIES-UNLEADED	0	2
6242	1976	DODG	CHAR	WH23K6A162911	2	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	3	3	3	1	2	.0310	STANDARD-UNLEADED	0	2
6243	1976	DODG	STAW	NH45G6B181892	2	2	1	2	2	2	2	2	2	1	3	1	2	1	1	1	3	4	2	1	2	.0140	ARCO-UNLEADED	0	2
6244	1976	DODG	DART	LL23C6F115854	2	2	1	2	2	2	1	2	2	2	3	1	1	1	1	1	4	3	3	1	2	.0220	MOBIL-UNLEADED	0	2
6245	1976	DODG	MONA	DH41K6D172853	2	2	1	2	2	2	1	2	2	1	3	1	1	1	1	1	2	2	2	1	2	.0290	CITGO-UNLEADED	0	2
6246	1976	DODG	CORO	WL41G6A149523	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0210	SHELL-UNLEADED	0	2
6247	1976	DODG	ASPE	NH41C6F159426	1	2	2	2	1	2	2	2	2	2	3	1	1	1	1	1	5	3	3	1	2	.0170	STANDARD-UNLEADED	0	2
6248	1976	FORD	STAW	6B76S178992	2	2	2	2	2	2	2	2	1	1	3	2	3	2	0	1	3	3	3	1	2	.0100	STANDARD-UNLEADED	0	2
6249	1976	FORD	ELIT	6G21H172226	2	2	2	2	2	2	2	2	1	1	3	2	3	2	39	1	4	4	2	1	2	.0120	GULF-UNLEADED	0	2
6250	1976	FORD	GRAN	6W81T200745	2	2	2	2	2	2	2	2	1	1	6	1	1	1	1	1	5	4	2	1	2	.0200	PENNEYS-UNLEADED	0	2
6251	1976	FORD	LTD	6P63H163287	2	2	1	2	2	2	2	2	2	1	2	1	1	1	1	1	3	3	3	1	2	.0220	KEENE-UNLEADED	0	2
6252	1976	FORD	STAW	6X12Y174983	2	2	2	2	2	2	2	2	1	2	3	1	1	1	1	1	2	2	2	1	2	.0100	SHELL-UNLEADED	0	2
6253	1976	FORD	GRAN	6W82L106124	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.0200	FIRECHIEF-UNLEADE	0	2
6254	1976	FORD	GRAN	6W84F232061	2	1	1	2	2	2	2	2	2	1	3	1	1	1	1	1	4	3	3	1	2	.0100	SHELL-UNLEADED	0	2
6255	1976	FORD	MUST	6F02Y164692	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	2	2	1	2	.0020	JUBILEE-UNLEADED	0	2
6256	1976	FORD	STAW	6H40H211815	2	1	2	2	2	2	1	2	2	1	1	1	1	1	1	1	2	2	2	1	2	.0220	TEXACO-UNLEADED	0	2
6257	1975	FORD	MUST	6F03Z133853	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	4	2	1	2	.0280	SHELL	0	2
6258	1976	FORD	GRAN	6W84L135055	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.0210	SHELL-UNLEADED	0	2
6259	1976	FORD	PINT	6X10Y165843	2	2	2	2	1	1	2	1	2	3	3	1	1	1	1	1	3	3	3	1	2	.0130	STANDARD-UNLEADED	0	2
6260	1976	FORD	STAW	6P74S157582	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	2	.0310	SHELL-UNLEADED	0	2
6261	1975	FORD	ELIT	6G21H167599	2	2	2	2	1	2	1	2	2	1	3	1	1	1	1	1	2	2	2	1	2	.0170	STANDARD-UNLEADED	0	2
6262	1976	FORD	THND	6Y87A127549	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	3	4	1	2	.0100	TEXACO-UNLEADED	0	2
6263	1976	FORD	MUST	6F02Z179988	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	3	4	2	1	2	.0160	SHELL-UNLEADED	0	2
6264	1976	FORD	STAW	6P74S153323	2	2	2	2	1	2	2	2	2	1	3	1	1	1	1	1	2	2	2	1	2	.0090	VARIES-UNLEADED	0	2
6265	1976	FORD	STAW	6H40H169296	2	2	2	2	2	2	1	2	2	1	2	1	1	1	1	1	3	3	3	1	2	.0300	VARIES-UNLEADED	0	2
6266	1976	FORD	GRAN	6W81F261503	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0090	VARIES-UNLEADED	0	2
6267	1976	FORD	MUST	6F02Y116661	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	2	2	1	2	.0150	SHELL-UNLEADED	0	2
6268	1976	LINC	MRK4	6Y89A846613	1	1	1	2	1	1	2	2	2	3	3	2	3	2	0	1	5	3	3	1	2	.0260	UNION76-UNLEADED	0	2
6269	1976	LINC	CONT	6Y82A923138	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	2	.0110	GULF-CLEAR	0	2
6270	1976	MERC	COUG	6A93H533826	2	2	2	2	2	2	1	2	2	1	3	1	1	1	1	1	3	3	3	1	2	.0130	TEXACO-UNLEADED	0	2
6271	1976	MERC	MARQ	6Z63S523318	2	2	2	2	2	2	1	2	2	1	3	1	1	1	1	1	4	4	2	1	2	.0080	CITGO-UNLEADED	0	2
6272	1976	MERC	MONT	6H04H518691	1	2	1	2	2	2	2	2	2	1	3	1	2	1	1	1	2	4	2	1	2	.0620	VARIES-UNLEADED	0	2
6273	1976	MERC	MARQ	6Z66S526573	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	3	.0100	SHELL-UNLEADED	0	2
6274	1976	MERC	MONA	6W34F555716	2	2	2	2	2	1	2	2	2	1	3	1	1	1	1	1	4	4	2	1	2	.0200	VARIES-UNLEADED	0	2
6275	1976	OLDS	DELT	3L39R6X193661	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	4	2	1	2	.0250	MOBIL-UNLEADED	0	2
6276	1976	OLDS	CUTL	3M57R6M127277	2	2	2	2	1	2	2	2	2	2	3	1	1	1	1	1	3	4	2	1	2	.0140	UNLEADED	0	2
6277	1976	OLDS	OMEG	3B27F6W139183	2	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	1	2	.0210	UNLEADED	0	2
6278	1976	OLDS	CUTL	3G29F6M197030	2	2	2	2	2	2	2	2	1	2	3	1	1	1	1	1	2	2	2	1	2	.0310	ARCO	0	2
6279	1976	OLDS	DELT	3N57T6X111638	2	1	1	2	2	2	2	2	2	1	3	1	1	1	1	1	5	3	5	1	2	.0350	ARCO-UNLEADED	0	2
6280	1976	OLDS	CUTL	3K57R6R173417	2	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	5	3	3	1	2	.0290	AMCO-UNLEADED	0	2
6281	1976	OLDS	CUTL	3K57R6M229566	2	1	1	2	2	2	2	2	2	1	3	1	1	1	1	1	4	4	2	1	2	.0270	STANDARD-UNLEADED	0	2
6282	1976	OLDS	CUTL	3G37R6M263738	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	2	2	1	2	.0180	UNION 76-UNLEADED	0	2
6283	1976	OLDS	MNTY	3X39T6M184862	2	2	2	2	2	1	2	2	2	2	3	3	3	2	55	1	4	4	2	1	2	.0340	SHELL-UNLEADED	0	2
6284	1976	PLYM	STAW	HL45G6B200345	2	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	5	3	3	1	2	.0310	SHELL-UNLEADED	0	2
6285	1976	PLYM	FURY	RH41G6A190788	2	2	2	2	2	1	2	2	2	1	3	1	1	1	1	1	5	3	3	1	2	.0820	SHELL-UNLEADED	0	2
6286	1976	PLYM	STAW	HH45K6B145667	1	2	2	2	1	2	2	2	2	2	3	1	1	1	1	1	5	2	2	1	2	.0130	STANDARD-UNLEADED	0	2
6287	1976	PLYM	VALI	VL41C6G195940	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	5	2	2	1	2	.0410	PHILLIPS	0	2
6288	1976	PLYM	STAW	HH45G6B223571	2	2	2	2	1	2	2	2	2	1	3	1	1	1	1	1	3	2	2	1	2	.0040	STANDARD-UNLEADED	0	2
6289	1976	PLYM	STAW	HL45C6B206341	2	1	2	2	1	1	1	2	2	3	3	1	1	1	1	1	5	2	2	1	2	.0190	STANDARD-UNLEADED	0	2
6290	1976	PLYM	VOLA	HP29C6B118501	2	2	2	2	1	1	2	2	2	2	3	1	1	1	1	1	5	4	2	1	2	.0360	VARIES	0	2
6291	1976	PONT	ASTR	2C11B6U505103	2	2	2	2	2	2	1	2	2	1	3	1	1	1	1	1	2	2	2	1	2	.0160	TEXACO-UNLEADED	0	2
6292	1976	PONT	BONN	2P49N6P278427	2	2	2	2	2	2	2	1	2	2	3	1	1	1	1	1	2	2	2	1	2	.0090	SHELL-UNLEADED	0	2
6293	1976	PONT	GRNP	2J57M6P185393	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0410	VARIES-UNLEADED	0	2
6294	1975	PONT	LEMA	2F37F6A162783	2	2	2	2	1	2	2	2	2	1	3	1	1	1	1	1	4	4	2	1	2	.0140	STANDARD-UNLEADED	0	2
6295	1976	PONT	BONN	2P49N6P316880	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	2	2	1	2	.0190	ARCO-CLEAR	0	2
6296	1976	PONT	FIRE	2T87M6N566738	2	2	2	2	2	2	2	2	1	1	3	3	3	2	48	1	4	2	2	1	2	.0170	VARIES-UNLEADED	0	2
6297	1976	PONT	GRNP	2J57M6T233766	2	2	2	2	2	2	2	2	1	1	3	1	2	2	2	3	2	2	2	1	2	.0250	MOBIL-UNLEADED	0	2
6298	1976	PONT	VENT	2Y27D6W131588	2	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	1	2	.0090	SHELL-UNLEADED	0	2
6299	1976	CAPR	SEDA	GAECRY20365	2	2	2	2	2	2	1	2	2	1	3	4	3	3	35	1	1	2	2	1	2	.0180	AMOCO-UNLEADED	0	2
6300	1976	COLT	STAW	6H45K69106485	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	1	3	2	2	2	1	.1000	VARIES-REGULAR	0	2
6301	1976	DATS	B210	HLB210145492	2	2	2	2	2	2	1	2	2	1	3	1	1	1	1	1	3	3	5	2	1	.1000	REGULAR	0	2
6302	1976	DATS	SEDA	JHL710072243	2	2	2	2	2	2	2	2	1	1	3	3	3	2	35	1	3	3	5	2	1	.1000	MOBIL-REGULAR	0	2
6303	1976	DATS	B210	HLB210710944	2	2	2	2	2	2	2	2	1	1	3	2	3	2	40	1	2	2	2	2	1	.1000	VARIES-REGULAR	0	2
6304	1976	FIAT	SEDA	1[illegible]8A11999408	2	2	2	2	2	2	2	2	1	1	3	3	3	3	32	1	4	2	2	2	1	.1000	ARCO-REGULAR	0	2
6305	1976	FIAT	SEDA	131A30089705	1	2	2	2	2	2	2	2	2	1	3	1	1	1	1	1	2	2	2	2	1	.1000	TEXACO-REGULAR	0	2
6306	1976	HOND	CIVI	SBA4001334	2	2	2	2	2	2	2	2	1	1	3	6	3	2	2	1	3	4	2	2	1	.1000	VARIES-REGULAR	0	2
6307	1976	HOND	CIVI	S[illegible]C2004687	2	2	2	1	2	2	2	2	2	1	3	1	1	1	1	1	4	3	3	2	1	.1000	SHELL-REGULAR	0	2
6308	1976	MAZD	STAW	S1CV204526	2	2	2	2	2	2	2	2	1	1	3	4	3	2	0	1	3	2	2	1	2	.0340	SHELL-UNLEADED	0	2
6309	1976	TOYO	CELI	RA240C5586	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	4	3	4	2	1	.1000	VARIES-REGULAR	0	2

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APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

CHICAGO

VEH	YEAR	MAKE	MODL	VEHICLE IDENT	PERFORMANCE PROBS																					PB	FUEL	MNT	M
					A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N				
6310	1976	TOYO	STAW	TE38032254	2	2	2	2	2	2	2	2	1	1	3	2	3	2	35	1	3	3	3	2	1	.1000	VARIES-REGULAR	0	2
6311	1976	TOYO	CELI	RA29016419	2	2	2	2	2	2	2	2	1	2	3	1	1	1	1	1	2	2	2	2	1	.1000	SHELL-REGULAR	0	2
6312	1976	TOYO	CORO	TE31162216	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	2	.1000	UNLEADED	0	2
6313	1976	VOLK	SCIR	5362011657	2	2	2	2	2	2	2	2	1	1	3	4	1	1	1	1	2	2	2	1	2	.0130	ARCO-UNLEADED	0	2
6314	1976	VOLK	RABB	1763090335	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	2	2	1	2	.0110	STANDARD-UNLEADED	0	2
6315	1976	VOLK	DASH	3262042260	2	1	1	2	2	2	2	2	2	1	3	2	3	2	0	1	5	3	3	2	1	.1000	STANDARD-REGULAR	0	2
6316	1976	VOLV	STAW	VC24545E3063331	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	4	6	2	6	1	6	.1000	VARIES-UNLEADED	0	3
5052	1975	AMC	HORN	A5A057A257741	2	2	2	2	2	2	2	2	1	1	3	4	4	5	6	1	2	2	2	1	2	.0980	ARCO	0	2
5053	1975	BUIC	REGA	4J57H5H116314	2	2	2	2	1	2	2	2	2	1	3	3	3	3	12	1	5	3	1	1	6	.0290	SHELL	0	2
5054	1975	BUIC	RIVI	4Z87T5H458449	1	2	2	2	2	1	2	2	2	1	3	1	1	1	1	1	5	3	4	1	2	.0430	SHELL-UNLEADED	0	2
5055	1975	CADI	DEVI	6D47S50279969	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	4	2	1	2	.0200	ARCO	0	2
5056	1975	CHEV	STAW	1V15A5U170264	2	2	2	2	1	2	1	2	2	1	3	1	1	1	1	1	5	4	2	1	2	.0170	EZGO-UNLEADED	0	2
5057	1975	CHEV	MALI	1D37H5B406713	2	2	2	2	2	2	2	2	1	1	3	4	3	3	45	1	2	2	2	1	2	.0100	GULF	0	2
5058	1975	CHEV	IMPA	1L39H5J164358	1	2	2	2	2	2	2	2	2	1	3	1	1	1	1	1	2	2	2	1	2	.0190	STANDARD-UNLEADED	0	2
5059	1975	CHEV	STAW	1N45U5J104398	2	2	2	2	2	2	2	2	1	2	3	4	3	3	80	1	5	3	5	1	2	.0260	SHELL-SUPER	0	2
5060	1975	CHEV	NOVA	1X27D5W174224	2	1	2	2	2	2	1	2	2	1	3	4	3	2	0	1	3	4	2	1	2	.0250	SHELL	0	2
5061	1975	CHRY	CORD	SS22K5R300862	1	2	2	2	2	2	2	2	2	2	3	3	3	2	50	1	5	4	2	1	2	.0250	SHELL-UNLEADED	0	2
5062	1975	DODG	CHAR	XS22G5R170633	2	2	2	2	1	2	2	1	2	1	3	4	3	5	2	1	5	3	5	2	1	.0270	SHELL	0	2
5063	1975	FORD	MUST	5F02Y121972	2	2	2	2	2	2	2	2	1	1	3	3	3	3	60	1	4	2	2	1	2	.0210	UNION76	0	2
5064	1975	FORD	LTD	5D63H170309	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	1	5	1	2	.0220	MOBIL	0	2
5065	1975	FORD	LTD	5B65S106327	1	2	1	2	2	2	2	2	2	2	3	3	3	5	2	1	5	3	5	1	2	.0260	MOBIL-UNLEADED	0	2
5066	1975	FORD	GRAN	5W81L153595	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	4	6	2	6	1	6	.0180	VARIES	0	2
5067	1975	FORD	GRAN	5W81F141352	2	2	2	2	2	2	2	2	1	1	3	2	3	2	71	1	2	2	2	1	2	.0190	MOBIL	0	2
5068	1975	MERC	COUG	5A93H521426	1	2	2	2	2	2	2	2	2	1	3	1	1	1	1	1	5	4	2	1	2	.0150	CLARK-UNLEADED	0	2
5069	1975	OLDS	CUTL	3J57K5M193780	2	1	2	2	2	2	2	2	2	3	3	4	3	4	2	1	5	3	3	1	2	.0100	SHELL	0	2
5070	1975	OLDS	MNTY	3X39T5M130953	2	1	2	2	2	1	2	2	2	2	3	1	1	1	1	1	5	3	3	1	2	.0160	STANDARD	0	2
5071	1975	PLYM	VALI	VL41C5F102265	2	2	2	2	2	2	2	2	1	1	3	3	3	3	19	1	4	3	4	1	2	.0130	SHELL-UNLEADED	0	2
5072	1975	PLYM	STAW	PP46M5D212686	2	2	2	2	2	2	2	2	1	1	3	2	3	2	2	1	4	4	2	1	2	.0190	VARIES	0	2
5073	1975	PONT	GRMP	2K57W5P157604	2	2	1	2	2	2	2	2	2	1	3	2	3	3	2	1	5	4	2	1	2	.0140	STANDARD	0	2
5074	1975	PONT	LEMA	2D29M5L512493	2	2	2	2	2	2	2	2	1	2	3	4	3	2	120	1	5	3	5	1	2	.0860	AMOCO	0	2
5075	1975	DATS	SEDA	HLB210543536	2	2	2	2	2	2	2	2	1	1	6	4	3	2	2	1	3	4	2	2	1	.1000	SHELL	0	2
5076	1975	TOYO	STAW	RT119003069	2	2	2	2	2	2	2	2	1	1	3	2	1	1	1	1	5	4	2	2	1	.0550	MOBIL-REGULAR	0	2
5077	1975	TOYO	CORO	TE31035699	2	2	2	2	2	2	2	2	1	1	3	2	4	5	7	1	3	4	5	2	1	.0210	SHELL	0	2
5078	1975	VOLK	SEDA	1152022566	2	1	2	2	2	1	2	2	2	1	3	1	1	1	1	1	5	2	2	2	1	.0710	VARIES	0	2
5079	1975	VOLK	RABB	1753104104	2	2	1	2	2	2	1	2	2	1	3	2	3	2	55	1	5	3	5	1	2	.0260	AMOCO-UNLEADED	0	2
5317	1975	AMC	MATA	A5C167H103395	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	1	5	2	2	1	2	.0230	MOBIL	0	2
5318	1975	BUIC	SKYH	4S07C5Z105516	2	1	1	2	2	2	2	2	2	2	3	1	1	1	1	1	5	4	2	1	2	.0200	STANDARD	0	2
5319	1975	CADI	DEVI	6D49S5Q250852	2	2	2	2	2	2	2	2	1	1	3	3	3	3	30	2	3	4	2	1	2	.0300	MOBIL	0	2
5320	1975	CHEV	VEGA	1V77A5V151234	1	2	2	2	1	2	2	2	2	2	4	1	1	1	1	1	2	2	2	1	2	.0250	SHELL	0	2
5321	1975	CHEV	CAPR	1N67H5S147309	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0240	STANDARD-UNLEADED	0	2
5322	1975	CHEV	NOVA	1X69G5W117235	2	2	2	2	2	2	2	2	1	1	3	3	3	3	43	1	2	2	2	1	2	.0210	INDEPENDENT	0	2
5323	1975	CHEV	MONT	1H57H5K412326	2	2	1	2	2	2	2	2	2	1	3	4	6	6	2	1	5	2	2	1	2	.0260	MOBIL	0	2
5324	1975	CHEV	CAPR	1N47U5J104371	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	5	4	2	1	2	.0280	SHELL-UNLEADED	0	2
5325	1975	DODG	DART	LH23C5B114005	1	2	2	2	2	2	2	2	2	2	3	1	1	1	1	1	5	3	5	1	2	.0260	CITGO	0	2
5326	1975	FORD	STAW	5X12Z106358	2	2	2	2	2	2	2	2	1	1	3	4	3	2	0	1	2	2	2	1	2	.0340	EXXON	0	2
5327	1975	FORD	LTD	5B66S164432	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.0210	SHELL-UNLEADED	0	2
5328	1975	FORD	STAW	5H42H158080	2	2	1	2	2	1	1	2	2	2	4	4	4	3	2	3	3	3	5	1	2	.0200	STANDARD-UNLEADED	0	2
5329	1975	LINC	CONT	5Y82A818068	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0130	SHELL-UNLEADED	0	2
5330	1975	MERC	MONG	5H11H516846	1	2	2	2	2	2	2	2	2	1	3	1	1	1	1	1	4	3	3	1	2	.0260	STANDARD	0	2
5331	1975	OLDS	OMEG	3B17F5L107493	2	2	2	2	2	2	2	2	1	1	3	1	1	5	1	1	5	4	2	1	2	.0160	PHILLIP 66 UNLEAD	0	2
5332	1975	OLDS	DELT	3N69K5E132071	1	1	2	2	2	2	2	2	2	3	3	2	4	3	55	1	5	3	5	1	2	.0190	CITGO	0	2
5333	1975	PLYM	FRY3	RH41K5D147024	1	2	1	2	2	2	2	2	2	1	3	1	1	1	1	3	5	4	2	1	2	.0070	MOBIL	0	2
5334	1975	PONT	LEMA	2G29M5P114086	2	2	2	2	2	2	2	2	1	2	3	1	1	1	1	1	4	2	2	1	2	.0310	STANDARD	0	2
5335	1975	DATS	B210	HLB210610751	2	2	2	2	2	2	2	2	1	1	3	3	3	2	40	1	4	4	2	2	1	.1000	SHELL-REGULAR	0	2
5336	1975	FIAT	SEDA	128A11877055	2	2	2	2	2	2	2	2	1	1	3	2	3	2	2	1	5	3	5	2	1	.1000	SHELL	0	2
5337	1975	HOND	CIVI	SGC1007046	2	1	2	2	2	2	2	2	2	1	3	2	2	2	69	1	4	2	2	2	1	.0300	AMOCO-UNLEADED	0	2
5338	1975	MAZD	RX4	SLA23S133515	2	2	1	2	2	2	2	1	2	1	3	3	3	2	65	1	3	2	2	2	1	.1000	ARCO-UNLEADED	0	2
4080	1974	AMC	STAW	A4A887H318888	2	2	2	2	2	2	2	2	1	1	3	4	4	5	2	1	4	4	2	2	1	N/A	FIRE CHIEF	0	2
4081	1974	BUIC	ELEC	4X37T4H438692	2	2	2	2	2	2	1	2	2	1	3	4	5	2	75	1	2	4	2	2	1	N/A	STANDARD	0	2
4082	1974	CADI	DEVI	6D47R4Q252210	2	2	2	2	2	2	1	2	2	1	3	1	2	1	1	1	4	3	5	2	5	N/A	MOBIL	0	2
4083	1974	CHEV	VEGA	1V77A4U396734	2	2	2	2	2	2	2	2	1	1	3	3	3	3	5	1	5	3	5	2	1	N/A	ARCO	0	2
4084	1974	CHEV	MALI	1D37H4B627545	2	2	2	2	2	2	2	2	1	1	3	4	3	4	38	1	2	2	2	2	1	N/A	MOBIL-REGULAR	0	2
4085	1974	CHEV	NOVA	1X27D4K141232	2	2	2	2	2	2	1	2	2	1	3	4	3	3	20	1	5	3	5	2	1	N/A	MOBIL-REGULAR	0	2
4086	1974	CHEV	NOVA	1X27R4W134427	2	2	2	2	1	2	2	2	2	2	6	4	4	5	40	1	5	3	5	2	1	N/A	VARIES	0	2
4087	1974	CHEV	IMPA	1L39H4J230346	2	2	2	2	2	2	1	2	2	1	3	4	3	3	30	2	3	4	2	2	1	N/A	CITGO	0	2
4088	1974	CHEV	STAW	1N35U4J162611	2	2	2	2	2	2	2	2	1	1	3	4	3	2	106	1	3	4	2	2	1	N/A	MOBIL-REGULAR	0	2
4089	1974	CHRY	NEWP	CL41M4C105293	2	2	2	2	2	2	2	2	1	2	3	1	1	1	1	1	5	4	3	2	2	N/A	STANDARD	0	2
4090	1974	DODG	CHAR	WP29G4G199868	2	2	2	2	2	2	2	2	1	1	3	2	5	2	70	1	5	3	5	2	1	N/A	SHELL-REGULAR	0	2
4091	1974	FORD	PINT	4X11X314650	2	1	1	1	2	2	1	2	2	3	3	6	3	3	2	3	1	1	6	2	1	N/A	TEXACO	0	2
4092	1974	FORD	TORI	4H30F144729	2	2	2	2	2	2	2	2	1	1	3	5	5	5	20	1	2	2	2	2	1	N/A	STANDARD	0	2
4093	1974	FORD	MAVE	4K91L139618	1	2	2	2	2	2	2	2	2	1	3	3	3	3	25	1	2	2	2	2	1	N/A	VARIES	0	2
4094	1974	FORD	STAW	4P76S167956	2	1	2	2	2	1	2	2	2	1	3	4	3	5	9	1	5	3	5	2	4	N/A	ARCO	0	2
4095	1974	FORD	LTD	4G62H124794	2	1	2	2	2	1	1	2	2	2	3	1	2	1	1	1	3	3	5	2	1	N/A	GAS CITY	0	2
4096	1974	MERC	MONG	4H10H529236	2	2	2	2	2	2	2	2	1	1	3	3	3	3	60	1	4	4	2	2	1	N/A	PHILLIPS	0	2
4097	1974	OLDS	CUTL	3H35K4D147635	2	2	2	2	2	2	1	2	2	1	6	3	3	2	16	1	5	4	1	2	1	N/A	REGULAR	0	2
4098	1974	OLDS	MNTY	3V37T4M174162	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	2	1	N/A	ARCO-REGULAR	0	2
4099	1974	PLYM	STAW	RL45G4R253150	2	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	4	4	2	1	2	N/A	CITGO	0	2
4100	1974	PLYM	DUST	VL29C4B193666	2	2	2	2	1	2	2	2	2	1	3	3	3	5	10	1	5	3	5	2	1	N/A	SHELL-REGULAR	0	2
4101	1974	PONT	GRNV	2P49W4P222943	2	2	2	2	2	2	2	2	1	1	3	5	4	2	75	1	5	3	5	2	1	N/A	SHELL-UNLEADED	0	2
4102	1974	DATS	STAW	HL610800415	2	2	2	2	2	2	2	2	1	1	3	4	3	2	45	1	2	2	2	2	1	N/A	AMOCO-REGULAR	0	2

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

CHICAGO

					PERFORMANCE PROBS																								
VEH	YEAR	MAKE	MODL	VEHICLE IDENT	A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMT	M
4103	1974	TOYO	CORO	TE27099823	2	2	2	2	2	2	2	2	1	1	3	4	3	5	2	3	2	3	3	2	1	N/A	SHELL	0	2
4104	1974	TOYO	CORO	RT104010395	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	2	2	2	2	1	N/A	MOBIL	0	2
4105	1974	VOLK	SEDA	1342605422	2	2	2	2	2	2	2	2	1	1	3	2	3	2	25	1	3	3	5	2	1	N/A	MOBIL	0	2
4106	1974	VOLK	SEDA	1342685406	2	2	2	2	2	2	2	2	1	2	2	1	2	1	1	1	5	3	5	2	1	N/A	FASGAS	0	2
4339	1974	AMC	GREM	A4A465A342671	2	2	2	2	2	2	2	2	1	1	6	4	4	5	20	1	5	4	2	2	1	N/A	EZOO	0	2
4340	1974	BUIC	CNTI	4H57H4H121568	2	2	1	2	2	2	2	2	2	1	3	3	3	3	30	3	2	2	2	2	1	N/A	ARCO-REGULAR	0	2
4341	1974	BUIC	ELEC	4X37T4H475662	2	1	2	2	2	2	1	2	2	1	3	3	3	4	66	1	4	2	2	1	3	N/A	CLARK-UNLEADED	0	2
4342	1974	CHEV	MALI	1D37H4B626638	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	3	4	2	2	1	N/A	STANDARD-PREMIUM	0	2
4343	1974	CHEV	MALI	1D29H41488325	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	1	3	4	2	1	2	N/A	SHELL-UNLEADED	0	2
4344	1974	CHEV	IMPA	1L47H4J135263	2	1	2	2	1	2	2	2	2	3	3	3	3	3	65	1	5	3	3	2	6	N/A	ARCO-REGULAR	0	2
4345	1974	CHEV	CAPR	1N47R4J243103	2	2	2	2	2	2	2	2	1	1	3	4	4	3	55	1	5	4	2	1	3	N/A	SHELL-SUPER	0	2
4346	1974	CHEV	VEGA	1V77A4U125506	2	2	2	2	2	2	2	2	1	1	3	3	3	2	36	1	6	4	6	1	2	N/A	CITGO UNLEADED	0	2
4347	1974	DODG	DART	LH23C4B164144	2	2	2	2	2	2	1	2	2	1	3	1	2	1	2	1	1	4	1	2	1	N/A	REGULAR	0	2
4348	1974	DODG	DART	LH23G4G199140	1	1	1	2	2	1	2	2	2	3	3	3	3	2	30	1	5	3	3	2	1	N/A	BELL	0	2
4349	1974	FORD	TORI	4A30H196651	1	2	2	2	2	1	2	2	2	1	3	2	3	3	2	1	5	3	5	2	1	N/A	ARCO-REGULAR	0	2
4350	1974	FORD	LTD	4U63S152476	2	2	2	2	2	2	2	2	1	1	3	4	4	5	25	1	3	4	2	2	1	N/A	REGULAR	0	2
4351	1974	FORD	THND	4Y87A127920	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	4	2	2	2	1	N/A	REGULAR	0	3
4352	1974	FORD	MAVE	4W92L167895	2	2	2	2	2	2	2	2	1	1	3	3	3	2	25	1	2	2	2	2	1	N/A	SHELL	0	2
4353	1974	LINC	MRK4	4X89A869685	2	2	2	2	2	2	2	2	1	1	6	4	6	6	2	1	3	2	2	2	1	N/A	STANDARD	0	2
4354	1974	MERC	COME	4K30F538483	2	2	2	2	2	2	2	2	1	1	3	3	4	3	50	1	5	4	2	2	1	N/A	SHELL-REGULAR	0	2
4355	1974	OLDS	CUTL	3F37K4D138312	1	2	2	1	2	2	2	2	2	2	3	4	3	3	65	1	3	4	2	2	1	N/A	GULF OIL	0	2
4356	1974	PLYM	FRY1	PL41K4D222974	2	1	2	2	1	2	2	2	2	1	3	2	3	3	40	1	4	3	3	2	1	N/A	STANDARD-REGULAR	0	2
4357	1974	PONT	BONN	2N39R4X124653	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	1	2	4	2	2	1	N/A	REGULAR	0	2
4358	1974	PONT	VENT	2Y27M4L102564	2	1	2	2	2	2	2	2	2	1	3	3	3	3	75	1	1	1	1	1	2	N/A	TEXACO	0	2
4359	1974	CAPR	SEDA	GAECPT09319	2	2	2	2	2	2	2	2	1	2	3	4	4	2	60	3	3	4	2	2	1	N/A	VARIES	0	2
4360	1974	DATS	SEDA	HLB210051478	2	2	2	2	2	2	2	2	1	1	3	2	3	3	20	1	2	4	2	2	1	N/A	INDEPENDENT	0	2
4361	1974	MAZD	RX3	S124A156173	2	2	2	2	2	2	2	2	1	1	3	4	4	2	2	1	5	2	2	2	1	N/A	WARDS-UNLEADED	0	2
3107	1973	AMC	GREM	A3E465E151568	2	2	2	2	2	2	2	2	1	1	3	4	3	3	55	1	4	2	2	2	1	N/A	SHELL-REGULAR	0	2
3108	1973	BUIC	RIVI	4Y87U3H491629	2	2	1	1	2	2	2	2	2	1	4	4	4	3	70	3	3	4	2	2	1	N/A	THORNTON-REGULAR	0	2
3109	1973	BUIC	CNTY	4D29H3H236267	2	2	2	2	2	2	2	2	1	2	3	4	4	3	45	1	4	2	2	2	1	N/A	STANDARD-REGULAR	0	2
3110	1973	CADI	DEVI	6D49R3Q127491	2	2	2	2	1	2	2	2	2	2	1	1	6	6	2	4	6	4	6	2	1	N/A	REGULAR	0	2
3111	1973	CHEV	VEGA	1V77B3U330629	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	4	3	3	2	1	N/A	ARCO-REGULAR	0	2
3112	1973	CHEV	MALI	1D29H3K552978	2	2	1	2	2	2	2	2	2	1	3	4	2	3	2	2	2	2	2	2	1	N/A	ARCO-REGULAR	0	2
3113	1973	CHEV	NOVA	1Y27H3W180289	2	2	2	2	2	2	2	2	1	1	4	4	4	5	30	1	5	3	5	2	1	N/A	SHELL-REGULAR	0	2
3114	1973	CHEV	IMPA	1L39H3J109987	2	2	2	2	2	2	2	2	1	1	3	3	3	3	70	1	2	2	2	2	1	N/A	SEARS-REGULAR	0	3
3115	1973	CHEV	IMPA	1L69H3J146449	2	2	2	2	2	2	2	2	1	2	3	4	4	3	0	1	4	3	5	2	1	N/A	REGULAR	0	2
3116	1973	DODG	DART	LL29C3B507256	2	2	2	2	2	2	1	2	2	1	3	1	2	1	1	1	2	3	5	2	1	N/A	STANDARD	0	2
3117	1973	FORD	PINT	3X10X178048	2	2	1	2	2	2	2	2	2	1	3	4	4	3	2	1	5	4	3	2	1	N/A	TEXACO-REGULAR	0	2
3118	1973	FORD	TORI	3H42H231934	2	2	2	2	2	2	2	2	1	1	3	4	3	3	27	1	3	3	5	2	1	N/A	MARATHON-SUPER	0	2
3119	1973	FORD	MUST	3F01F258764	2	2	1	2	2	1	2	2	2	2	3	6	3	3	2	3	2	4	2	2	1	N/A	SEARS-REGULAR	0	2
3120	1973	FORD	CUST	3G53H104069	2	2	2	2	2	2	2	2	1	2	2	2	3	3	111	1	5	2	2	2	1	N/A	GULFTANE	0	2
3121	1973	FORD	LTD	3G63S113841	2	1	2	2	2	2	2	2	2	1	3	4	5	2	60	1	3	3	5	2	1	N/A	SHELL	0	2
3122	1973	MERC	MONT	3Z44S518019	2	2	2	2	1	2	2	2	2	2	3	4	4	3	35	1	5	3	5	2	1	N/A	SHELL-REGULAR	0	2
3123	1973	OLDS	CUTL	3J57K3R198222	2	2	2	2	2	2	2	2	1	1	6	4	5	2	30	1	3	4	2	2	1	N/A	STANDARD-REGULAR	0	2
3124	1973	OLDS	CUTL	3G37K3M517224	2	2	2	2	2	2	2	2	1	1	3	4	4	4	2	1	3	4	2	2	1	N/A	ARCO-REGULAR	0	2
3125	1973	PLYM	SATE	RP23G3R334416	2	2	2	2	2	2	2	2	1	1	4	6	6	6	2	1	4	2	2	2	1	N/A	AMOCO-REGULAR	0	3
3126	1973	PLYM	VALI	VL29C3B416990	2	2	2	2	2	2	2	2	1	1	3	3	3	2	101	1	2	3	3	1	2	N/A	SHELL-REGULAR	0	2
3127	1973	PONT	CATA	2L69R3P299277	2	2	2	2	2	2	1	2	2	1	4	4	3	3	2	1	3	4	2	2	1	N/A	STANDARD	0	2
3128	1973	PONT	LEMA	2F37M3A224686	2	2	2	2	2	2	2	2	1	1	2	4	2	3	2	1	4	2	2	2	1	N/A	MOBIL	0	2
3129	1973	DATS	510	PL510432594	2	2	2	2	2	2	2	2	1	3	1	3	1	5	15	1	3	4	2	2	1	N/A	CLARK-REGULAR	0	2
3130	1973	OPEL	STAW	549896575	2	2	2	2	2	2	1	2	2	1	2	3	3	5	20	1	5	3	5	2	1	N/A	EZ GO GAS	0	2
3131	1973	TOYO	CORO	TE21658223	2	2	2	2	2	2	2	2	1	1	2	2	2	5	10	1	2	2	2	2	1	N/A	MOBIL	0	2
3132	1973	VOLK	SEDA	1332153080	2	2	2	2	2	2	2	2	1	1	3	2	4	2	2	1	2	2	2	2	1	N/A	STANDARD-REGULAR	0	2
3133	1973	VOLK	SEDA	1332316397	2	2	2	2	2	2	2	2	1	1	3	4	4	3	40	2	3	3	5	2	1	N/A	SHELL-REGULAR	0	2
3362	1973	BUIC	CNTY	4D37H3H232539	2	2	2	2	2	2	1	2	2	1	3	5	5	3	55	2	2	2	2	2	1	N/A	TEXACO-REGULAR	0	2
3363	1973	BUIC	ELEC	4V37T3H434983	2	2	2	2	2	2	2	2	1	1	3	4	4	3	50	1	5	4	2	2	1	N/A	STANDARD-REGULAR	0	2
3364	1973	CHEV	STAW	1N45R3J307248	2	2	2	2	2	2	1	2	2	2	3	4	3	5	2	1	3	4	2	2	1	N/A	STANDARD-REGULAR	0	2
3365	1973	CHEV	VEGA	1V11B3U461312	2	2	2	2	2	2	2	2	1	2	3	2	4	3	35	1	4	2	2	2	1	N/A	SHELL-REGULAR	0	2
3366	1973	CHEV	NOVA	1X27D3L117427	1	2	2	2	2	2	2	2	2	2	3	3	3	3	50	3	3	4	2	2	1	N/A	SHELL-REGULAR	0	2
3367	1973	CHEV	MONT	1H57H3K600045	2	2	2	2	2	2	2	2	1	1	3	6	6	6	40	1	3	4	6	2	1	N/A	SHELL-REGULAR	0	3
3368	1973	CHEV	MALI	1D37F3K517827	2	2	2	2	2	2	2	2	1	1	3	6	6	6	2	3	6	4	6	2	1	N/A	VARIES	0	2
3369	1973	CHEV	CAPR	1N39V3J112723	2	2	2	2	1	2	2	2	2	3	2	4	5	5	20	1	5	3	5	2	1	N/A	VARIES	0	2
3370	1973	CHRY	NEWP	CL43M3C335371	2	2	2	2	2	2	2	1	2	1	3	1	6	6	2	1	6	4	2	2	1	N/A	MOBIL	0	2
3371	1973	DODG	CORO	WH41G3A149393	2	1	2	2	2	2	2	2	2	1	3	4	2	5	2	1	2	2	2	2	1	N/A	ARCO	0	2
3372	1973	DODG	POLA	DM23K3D282404	1	2	2	2	2	2	1	2	2	1	4	4	4	5	7	1	2	2	2	2	1	N/A	REGULAR	0	2
3373	1973	FORD	PINT	3X11X332079	2	2	1	1	2	2	1	2	2	2	3	3	4	3	2	3	2	3	5	2	1	N/A	SHELL	0	2
3374	1973	FORD	STAW	3H42H210976	2	1	2	2	2	2	2	2	2	2	2	4	4	3	80	1	6	2	2	2	1	N/A	SHELL-REGULAR	0	2
3375	1973	FORD	LTD	3G67S270705	2	2	1	2	2	2	2	2	2	2	3	4	4	3	35	1	6	4	2	2	1	N/A	MOBIL-REGULAR	0	2
3376	1973	FORD	STAW	3G76A124902	1	2	2	1	2	2	2	2	2	2	6	4	4	3	2	2	1	1	1	2	1	N/A	GULFTANE	0	3
3377	1973	MERC	COUG	3F91H547397	2	2	2	2	2	2	2	2	1	1	3	3	3	2	58	4	2	2	2	2	1	N/A	TEXACO-REGULAR	0	2
3378	1973	OLDS	CUTL	3J29K3R195306	2	2	2	2	2	2	2	2	1	1	3	4	4	3	20	1	3	4	2	2	1	N/A	STANDARD-REGULAR	0	2
3379	1973	OLDS	MNTY	3X3903M245849	2	2	2	2	2	2	2	2	1	1	4	3	3	3	60	1	2	2	2	1	2	N/A	AMOCO	0	2
3380	1973	PLYM	SATE	RL21G3A274512	2	2	2	2	2	2	2	2	1	1	3	5	6	5	8	1	2	2	2	2	1	N/A	STANDARD-REGULAR	0	2
3381	1973	PONT	FIRE	2S87M3N136594	2	1	1	2	2	2	2	2	2	2	3	3	3	2	80	1	5	4	6	2	1	N/A	SHELL-REGULAR	0	1
3382	1973	PONT	STAW	2P45W3X148675	2	1	2	1	2	2	2	2	2	1	3	2	3	2	62	1	2	3	6	2	1	N/A	SHELL-REGULAR	0	3
3383	1973	CAPR	COUP	GAECMT42100	2	2	2	2	2	2	2	2	1	1	3	5	3	3	30	1	3	4	2	2	1	N/A	ARCO-REGULAR	0	2
3384	1973	MAZD	SEDA	S124A139253	2	2	2	1	2	2	2	2	2	1	3	3	3	3	40	1	4	4	2	1	5	N/A	SHELL-REGULAR	0	2
2134	1972	AMC	GREM	A2A465A273308	2	2	2	2	2	2	2	2	1	1	3	4	3	5	2	1	3	4	2	2	1	N/A	MOBIL	0	2
2135	1972	BUIC	LESA	4N69T2X133894	2	2	1	2	2	2	2	2	2	1	3	3	3	3	2	1	4	4	2	2	6	N/A	STANDARD-REGULAR	0	2
2136	1972	CADI	DEVI	6D49R2Q278779	2	2	2	2	2	2	2	2	1	1	3	3	3	3	65	1	3	4	2	2	1	N/A	STANDARD	0	2

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

CHICAGO

VEH	YEAR	MAKE	MODL	VEHICLE IDENT	PERFORMANCE PROBS																								
					A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MNT	M
2137	1972	CHEV	VEGA	1V77B2U488865	2	2	2	1	2	2	2	2	2	1	3	4	4	2	50	1	1	2	2	2	1	N/A	STANDARD-REGULAR	0	1
2138	1972	CHEV	MONT	1H57H2K563054	2	2	2	2	2	2	2	2	1	1	2	3	3	5	2	1	5	3	6	2	2	N/A	ARCO-REGULAR	0	2
2139	1972	CHEV	MONT	1H57H2K656067	2	2	2	2	2	2	2	2	1	1	3	4	3	5	27	1	5	4	2	2	1	N/A	CITGO-REGULAR	0	2
2140	1972	CHEV	NOVA	1X27F2W388641	2	2	2	2	2	2	2	2	1	2	3	3	3	4	60	1	3	4	2	2	1	N/A	SUNOCO	0	2
2141	1972	CHEV	IMPA	1N47H2J130018	2	1	2	2	2	2	2	2	2	1	2	3	3	5	10	1	1	1	3	2	1	N/A	ARCO	0	2
2142	1972	CHEV	CAPR	1N47R2J296381	2	1	2	2	2	2	2	2	2	1	3	3	3	5	2	1	6	4	2	2	1	N/A	TEXACO-REGULAR	0	2
2143	1972	DODG	CORO	WH41G2A101400	2	2	2	2	2	2	2	2	1	1	3	4	4	3	2	1	2	2	2	2	1	N/A	ARCO-REGULAR	0	2
2144	1972	FORD	PINT	2T11X122527	2	2	1	2	2	2	2	1	2	2	3	3	3	5	14	2	1	1	1	2	1	N/A	SHELL	0	2
2145	1972	FORD	TORI	2A38H152828	2	2	2	2	2	2	2	1	2	2	3	4	3	3	40	1	5	3	3	2	1	N/A	MOBIL	0	2
2146	1972	FORD	MAVE	2K92T106001	2	2	2	2	2	2	2	1	2	2	3	3	3	5	20	1	5	4	1	2	1	N/A	BELL OIL-REGULAR	0	2
2147	1972	FORD	CUST	2G53H103191	2	2	2	2	2	2	2	2	1	1	2	3	3	3	2	1	6	4	2	2	1	N/A	VARIES	0	2
2148	1972	FORD	STAW	2G76S153209	2	2	1	2	2	2	2	2	2	1	3	3	3	3	2	1	5	4	2	2	1	N/A	VARIES	0	2
2149	1972	MERC	MONR	2Z54S633315	2	2	2	2	2	2	1	2	2	1	3	4	3	2	45	1	4	4	2	2	1	N/A	SHELL-REGULAR	0	2
2150	1972	OLDS	DELT	3L57H2M413639	2	2	2	2	2	2	2	2	1	1	3	4	3	5	12	1	2	2	3	2	1	N/A	GOTANE	0	2
2151	1972	PLYM	VALI	VL41C2R302508	2	2	1	2	2	2	2	2	2	2	3	4	4	4	45	2	4	3	6	2	1	N/A	VARIES	0	2
2152	1972	PLYM	STAW	PH46K2D323011	2	2	2	2	2	2	2	2	1	1	3	4	3	5	8	2	3	4	2	2	1	N/A	SHELL	0	2
2153	1972	PONT	CATA	2L69R2P357306	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	2	2	2	2	1	N/A	VARIES	0	2
2154	1972	PONT	STAW	2D36M2G109982	2	2	1	2	1	2	2	2	2	2	3	3	3	5	40	1	2	2	2	2	1	N/A	ARCO	0	2
2155	1972	DATS	1200	LB110793316	2	2	2	2	1	2	1	2	2	2	1	3	3	3	30	1	5	3	6	2	1	N/A	SHELL-REGULAR	0	2
2156	1972	TOYO	CORO	RT63005711	2	2	1	2	1	2	2	2	2	2	3	4	4	5	20	2	5	3	5	2	1	N/A	MARTIN-REGULAR	0	2
2157	1972	VOLK	SEDA	1122513232	2	2	2	2	2	2	2	2	1	1	3	3	3	2	30	1	5	2	3	2	1	N/A	AMOCO-REGULAR	0	2
2158	1972	VOLK	STAW	4622036338	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	5	3	5	2	1	N/A	STANDARD	0	2
2385	1972	BUIC	SKYL	4D37H2H209939	2	2	2	2	2	2	2	2	1	2	3	6	3	3	2	1	2	4	2	2	1	N/A	VARIES	0	2
2386	1972	BUIC	LESA	4N69H2X112942	2	2	2	2	2	2	2	2	1	1	3	5	5	2	65	1	3	4	3	2	1	N/A	MOBIL-REGULAR	0	2
2387	1972	CHEV	VEGA	1V15B2U173203	1	2	1	2	2	2	1	2	2	3	3	6	6	3	2	1	1	1	1	2	1	N/A	SEARS	0	2
2388	1972	CHEV	NOVA	1X27D2W426425	2	1	2	2	1	2	1	2	2	2	2	3	2	3	15	1	2	4	2	2	1	N/A	FIRECHIEF	0	2
2389	1972	CHEV	MONT	1H57H2K640494	2	2	2	2	2	2	2	2	1	1	3	4	4	5	2	1	2	2	2	2	1	N/A	VARIES	0	2
2390	1972	CHEV	IMPA	1M39H2J274723	2	2	2	2	2	2	2	2	1	2	3	4	3	3	60	1	1	4	2	2	1	N/A	ARCO-REGULAR	0	2
2391	1972	CHEV	STAW	1N35R2J215952	1	2	2	2	2	2	2	2	2	1	3	4	3	3	50	1	5	3	3	2	1	N/A	ARCO	0	2
2392	1972	CHRY	NEWP	CL23M2C130560	2	2	2	2	2	2	2	2	1	1	3	4	2	3	60	1	1	1	2	2	1	N/A	SHELL	0	2
2393	1972	DODG	DART	LH23C2B528844	2	2	2	2	2	2	2	2	1	1	3	4	5	5	10	1	2	2	2	2	1	N/A	STANDARD-REGULAR	0	2
2394	1972	FORD	STAW	2X12X311621	2	2	1	2	2	2	2	2	2	1	3	3	3	3	0	1	6	4	6	2	1	N/A	CLARK-REGULAR	0	2
2395	1972	FORD	TORI	2H27F232174	2	2	1	2	2	2	2	2	2	1	4	4	5	5	7	1	2	2	2	2	1	N/A	TEXACO-REGULAR	0	2
2396	1972	FORD	LTD	2G68S235505	1	2	2	2	2	2	1	1	2	2	3	3	3	3	80	1	5	4	2	2	1	N/A	STANDARD	0	2
2397	1972	FORD	TORI	2H31H250444	2	2	2	2	2	2	2	2	1	2	3	4	4	5	15	1	2	2	2	2	1	N/A	TEXACO	0	2
2398	1972	LINC	CONT	2Y82A818743	2	2	2	2	2	2	2	2	1	1	3	3	4	2	54	1	3	4	3	2	1	N/A	FIRECHIEF	0	2
2399	1972	MERC	MONG	2H07F624571	2	2	1	2	2	2	2	2	2	1	3	4	4	3	35	1	1	2	2	2	1	N/A	STANDARD-REGULAR	0	2
2400	1972	OLDS	CUTL	3G87H2R134820	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	2	2	2	2	1	N/A	SHELL-REGULAR	0	2
2401	1972	OLDS	MNTY	3V39T2M525348	2	2	2	2	2	2	2	2	1	1	3	4	4	3	2	1	2	2	2	2	1	N/A	AMOCO	0	2
2402	1972	PLYM	BARR	BH23G2B129090	2	2	2	2	2	2	2	2	1	1	2	3	2	5	12	1	2	4	2	2	1	N/A	FIRE-CHIEF	0	2
2403	1972	PONT	GRNV	2P49W2P343164	2	2	2	2	2	2	2	2	1	1	3	4	3	5	15	1	2	2	2	2	5	N/A	SUPERSHELL	0	2
2404	1972	CAPR	COUP	GAECMK29773	2	2	2	2	2	2	2	2	1	1	3	6	3	3	40	2	1	1	1	2	1	N/A	STANDARD-REGULAR	0	2
1159	1971	BUIC	RIVI	494871H912638	2	2	2	2	2	2	2	2	1	1	3	4	3	3	2	1	6	2	2	2	1	N/A	STANDARD-PREMIUM	0	2
1160	1971	BUIC	SKYL	433371H188059	2	2	2	2	2	2	2	2	1	2	3	3	3	5	10	1	2	2	2	2	1	N/A	VARIES	0	2
1161	1971	CHEV	VEGA	141771V266353	2	2	2	2	2	2	2	2	1	1	3	4	4	3	2	1	3	4	2	2	1	N/A	VARIES	0	2
1162	1971	CHEV	MALI	136371K145895	2	2	2	2	2	2	2	2	1	1	3	4	4	5	15	3	1	1	1	2	1	N/A	MOBIL-REGULAR	0	2
1163	1971	CHEV	MALI	135371L183960	2	2	2	2	2	2	2	2	1	1	3	4	4	3	35	1	4	2	2	2	1	N/A	ARCO	0	2
1164	1971	CHEV	IMPA	164391S225744	2	2	1	2	2	2	2	2	2	1	3	1	5	6	2	1	1	1	1	2	1	N/A	SEARS-REGULAR	0	2
1165	1971	CHEV	STAW	164351J164520	2	2	1	2	2	2	2	2	2	2	6	2	3	5	20	1	5	3	5	2	1	N/A	AMOCO	0	2
1166	1971	CHRY	NEWY	CH43T1C167745	2	2	2	2	2	2	1	2	2	2	3	5	5	2	2	1	6	4	2	2	1	N/A	ARCO-REGULAR	0	2
1167	1971	DODG	CORO	WL41G1A180781	2	2	2	2	2	2	2	2	1	1	3	3	3	5	30	1	3	4	2	2	1	N/A	MOBIL-REGULAR	0	2
1168	1971	FORD	PINT	1X11X276640	2	2	2	2	2	2	2	2	1	1	3	4	3	3	40	1	2	4	2	2	1	N/A	FIRECHIEF	0	2
1169	1971	FORD	STAW	1A35F282251	2	2	2	2	2	2	2	2	1	2	4	4	4	3	60	1	3	4	2	2	1	N/A	VARIES	0	2
1170	1971	FORD	MAVE	1K92T186158	2	2	2	2	1	2	2	1	2	2	4	3	3	5	65	1	5	4	2	2	1	N/A	SHELL-REGULAR	0	1
1171	1971	FORD	LTD	1G62H154885	2	2	2	2	2	2	2	2	1	1	3	4	4	5	35	3	2	2	2	2	1	N/A	MOBIL	0	2
1172	1971	FORD	LTD	1G62S203298	2	2	2	2	2	2	2	2	1	1	3	4	3	3	50	1	4	4	2	2	1	N/A	ARCO	0	2
1173	1971	MERC	MONR	1Z44H603858	2	2	2	2	2	2	2	2	1	1	3	5	5	4	25	1	3	4	2	2	1	N/A	VARIES	0	2
1174	1971	OLDS	STAW	368451X110887	2	2	2	2	2	2	2	2	1	1	3	4	3	5	30	1	1	1	1	2	1	N/A	ARCO	0	2
1175	1971	PLYM	DUST	VL29C1B414282	2	2	2	2	2	2	2	2	1	1	3	5	4	2	30	1	5	2	2	2	1	N/A	AMOCO-REGULAR	0	2
1176	1971	PONT	GRNV	268491P335840	1	2	2	2	2	2	2	2	2	2	3	3	3	5	10	1	2	2	2	2	1	N/A	INDEPENDENT	0	1
1177	1971	PONT	LEMA	235371P164336	2	2	2	2	2	2	2	2	1	1	3	3	3	3	15	1	2	2	2	2	1	N/A	STANDARD-REGULAR	0	3
1178	1971	DATS	SEDA	PL510229228	2	2	2	2	2	2	2	2	1	1	3	5	4	3	2	1	1	1	1	2	1	N/A	ENCO	0	2
1179	1971	TOYO	STAW	TE28012688	2	2	2	2	2	2	1	2	2	1	3	4	4	2	45	1	4	3	5	2	1	N/A	SHELL	0	2
1180	1971	VOLK	SEDA	1112218310	2	2	2	2	2	2	2	2	1	1	3	3	4	2	2	4	1	1	1	2	1	N/A	THORNTON-REGULAR	0	3
1405	1971	AMC	AMBA	A1A897M232254	2	2	2	2	2	2	2	2	1	3	6	6	3	2	2	4	2	2	6	2	1	N/A	MARTIN	0	2
1406	1971	BUIC	ELEC	484391H476666	2	2	2	2	2	2	2	2	1	1	3	4	4	5	15	1	5	4	2	2	1	N/A	VARIES	0	2
1407	1971	CADI	DEVI	683491Q200441	2	2	1	1	2	2	1	2	2	2	3	4	4	5	2	1	5	3	6	2	1	N/A	ARCO	0	2
1408	1971	CHEV	CAMA	124871N585676	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	4	4	2	2	1	N/A	SHELL	0	2
1409	1971	CHEV	MALI	136371K138114	2	2	2	2	2	2	2	2	1	1	2	4	3	5	12	1	5	4	2	2	1	N/A	MOBIL	0	2
1410	1971	CHEV	MONT	138571K207094	2	2	1	2	2	2	2	2	2	1	3	5	4	3	25	2	5	4	1	2	1	N/A	VARIES	0	2
1411	1971	CHEV	CAPR	166391J125089	2	2	2	2	2	2	1	2	2	1	3	5	5	3	65	1	1	2	2	2	1	N/A	GULF	0	2
1412	1971	DODG	DART	LH23C1R273427	2	2	2	2	2	2	2	2	1	1	3	3	3	5	8	1	1	1	1	2	1	N/A	FIRECHIEF	0	2
1413	1971	FORD	MAVE	1K92F181348	2	2	2	2	2	2	2	2	1	1	3	4	3	4	70	1	2	2	2	2	1	N/A	MOBIL-REGULAR	0	2
1414	1971	FORD	LTD	1G62H219270	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	1	1	1	2	1	N/A	MOBIL	0	2
1415	1971	FORD	LTD	1G76H222869	2	2	1	2	2	2	2	2	2	2	3	4	4	3	2	1	6	4	1	2	1	N/A	STANDARD	0	3
1416	1971	MERC	MARQ	1Z67K517862	2	2	2	2	2	2	2	2	1	1	3	3	4	5	2	1	3	2	2	2	1	N/A	MOBIL	0	2
1417	1971	OLDS	CUTL	336871M224157	2	2	1	2	2	2	2	2	2	1	6	3	6	5	2	1	2	4	2	[illegible]	1	N/A	SEARS-REGULAR	0	2
1418	1971	OLDS	CUTL	342571M145455	2	2	1	2	2	2	2	2	2	1	3	3	3	3	45	1	3	2	2	2	1	N/A	CLARK OIL CO.	0	2
1419	1971	PLYM	DUST	VL29C1B276514	2	2	2	2	2	2	2	2	1	1	2	4	2	5	9	3	2	2	2	2	[illegible]	[illegible]	CITGO	0	[illegible]
1420	1971	PLYM	FRY2	PL41G1D303636	2	2	1	2	2	2	1	2	2	1	3	4	5	5	10	1	4	4	2	2	[illegible]	N/A	MOBIL-REGULAR	0	[illegible]

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

CHICAGO

					PERFORMANCE PROBS																								
VEH	YEAR	MAKE	MODL	VEHICLE IDENT	A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMT	M
1421	1971	PONT	CATA	252691P347562	2	2	2	2	2	2	2	2	1	1	3	4	4	3	55	1	2	2	2	2	1	N/A	MOBIL	0	2
1422	1971	VOLK	SEDA	1112638356	2	2	2	2	2	2	2	2	1	1	3	3	3	2	21	1	2	4	2	2	1	N/A	EZ GO	0	2
0181	1970	AMC	AMBA	A0A887H189133	2	2	2	2	2	2	2	1	2	1	3	3	3	3	25	2	1	1	1	2	1	N/A	VARIES-REGULAR	0	2
0182	1970	BUIC	ELEC	464390H273012	2	2	2	2	2	2	2	2	1	1	3	4	3	3	68	1	3	4	2	2	1	N/A	ARCO-PREMIUM	0	2
0183	1970	CHEV	MONT	138570L173115	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	2	5	4	2	2	1	N/A	CITGO	0	2
0184	1970	CHEV	MALI	136690A105994	2	2	2	2	2	2	2	2	1	1	4	4	4	3	30	1	3	2	2	2	1	N/A	ARCO	0	2
0185	1970	CHEV	MALI	136370R221340	2	2	2	2	2	2	2	2	1	1	1	4	3	5	25	1	5	4	5	2	1	N/A	SUPER-SHELL	0	2
0186	1970	CHEV	IMPA	164690J218587	2	2	2	2	2	2	2	2	1	1	2	4	4	2	2	1	3	4	2	2	1	N/A	MOBIL-REGULAR	0	2
0187	1970	CHEV	CAPR	166390J141628	2	2	2	2	2	2	2	2	1	2	3	4	4	4	50	1	4	4	2	2	1	N/A	ARCO-REGULAR	0	2
0188	1970	DODG	DART	LL41C0R223044	2	2	2	2	2	2	2	2	1	1	1	5	5	3	27	3	1	4	2	2	1	N/A	STANDARD	0	2
0189	1970	FORD	MUST	0F03F161725	2	2	2	2	2	2	2	2	1	1	3	4	4	5	65	1	2	2	2	2	1	N/A	TEXACO	0	2
0190	1970	FORD	FAIR	0B29F146062	2	2	2	2	2	2	2	2	1	1	3	4	3	5	2	1	3	3	5	2	1	N/A	ARCO	0	2
0191	1970	FORD	LTD	0G62H250528	2	2	2	2	2	2	2	2	1	1	3	2	3	5	3	1	2	4	2	2	1	N/A	VARIES	0	2
0192	1970	FORD	LTD	0G62H189851	2	2	2	2	2	2	2	2	1	1	3	3	4	3	36	1	2	2	2	2	1	N/A	GULF	0	2
0193	1970	MERC	COUG	0F91H555080	2	2	2	2	2	2	2	2	1	1	3	5	5	3	35	1	2	2	2	2	1	N/A	UNION 76	0	2
0194	1970	OLDS	CUTL	342570Z140069	2	2	2	2	2	2	1	2	2	1	2	4	4	3	2	1	3	3	2	2	1	N/A	STANDARD-REGULAR	0	2
0195	1970	PLYM	STAW	PM46L0D284429	1	2	2	2	2	1	1	2	2	1	2	3	2	3	2	1	5	3	5	2	1	N/A	CHECKER-REGULAR	0	2
0196	1970	PLYM	DUST	VL29B0B418549	2	2	2	2	2	2	2	2	1	1	3	3	3	5	4	1	3	4	2	2	1	N/A	TEXACO-REGULAR	0	2
0197	1970	PONT	BONN	262390P209812	1	2	1	1	2	1	2	1	2	3	3	6	6	6	2	3	1	1	2	2	1	N/A	VARIES-PREMIUM	0	2
0198	1970	DATS	510	PL510108781	2	2	2	2	2	2	2	2	1	1	3	3	3	3	40	1	4	2	2	2	1	N/A	VARIES	0	2
0199	1970	TOYO	SEDA	RT62135460	2	2	2	2	2	2	2	1	2	1	3	3	3	5	8	1	4	4	2	2	1	N/A	SHELL-PREMIUM	0	2
0200	1970	VOLK	SEDA	1102319741	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	3	5	4	5	2	1	N/A	MOBIL-REGULAR	0	2
0423	1970	BUIC	LESA	454390H233273	2	2	1	2	2	2	2	2	2	1	3	4	4	3	30	1	4	4	2	2	1	N/A	UNION	0	2
0424	1970	BUIC	LESA	454690X149979	2	2	2	2	2	2	2	2	1	1	3	3	3	3	35	1	5	4	2	2	1	N/A	ARCO	0	2
0425	1970	CADI	DEVI	B0154173	1	2	2	2	2	2	2	2	2	1	5	2	5	5	2	2	3	4	2	2	1	N/A	VARIES	0	2
0426	1970	CHEV	NOVA	114270W256746	2	2	2	2	2	2	2	2	1	1	3	3	3	5	10	1	1	1	1	2	1	N/A	ENCO	0	2
0427	1970	CHEV	IMPA	164370J199430	1	2	2	2	2	2	2	2	2	1	3	3	3	3	40	1	3	4	2	2	1	N/A	UNION76	0	2
0428	1970	CHEV	IMPA	164370J208223	2	2	2	2	2	2	2	2	1	1	3	4	5	3	2	1	5	3	5	2	1	N/A	GULF-REGULAR	0	2
0429	1970	CHRY	NEWP	CE41L0C149159	1	2	2	2	2	2	2	2	2	1	3	3	3	3	2	1	3	4	2	2	1	N/A	PHILLIPS-REGULAR	0	2
0430	1970	DODG	CORO	WH41 60A162074	2	1	2	1	2	2	1	2	2	3	3	4	3	3	2	3	6	2	2	2	1	N/A	STANDARD	0	2
0431	1970	FORD	MAVE	0X91T296879	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	3	2	2	2	1	N/A	PHILLIPS-REGULAR	0	2
0432	1970	FORD	MUST	0F01H173685	2	2	1	2	2	2	2	2	2	1	3	4	3	3	10	2	6	4	2	2	1	N/A	TEXACO	0	2
0433	1970	FORD	LTD	0G60Y247900	2	2	1	2	2	2	2	2	2	1	3	3	3	5	20	1	1	2	2	2	1	N/A	CHECKER-REGULAR	0	2
0434	1970	OLDS	MNTY	384690M294897	2	2	2	2	2	2	2	2	1	1	3	4	4	3	50	1	2	2	2	2	1	N/A	MOBIL-REGULAR	0	2
0435	1970	PLYM	FRY2	PL21L0D304507	2	2	2	2	2	2	2	2	1	1	3	2	3	5	2	1	1	1	2	2	1	N/A	VARIES-REGULAR	0	2
0436	1970	PONT	BONN	262670X114151	2	2	2	2	2	2	2	2	1	1	3	4	5	5	15	1	2	2	2	2	1	N/A	SHELL	0	2
0437	1970	VOLK	SEDA	1103065216	2	2	2	2	2	2	2	2	1	1	3	2	2	5	10	1	4	3	5	2	1	N/A	FIRECHIEF	0	2
9438	1969	AMC	RAMB	A9S060A114351	2	2	1	2	1	2	2	2	2	3	3	3	3	5	3	2	1	1	1	2	1	N/A	BELL	0	2
9439	1969	BUIC	ELEC	484579H268430	2	2	2	2	2	2	2	2	1	1	6	4	4	3	44	1	6	2	2	2	1	N/A	MOBIL-ETHYL	0	2
9440	1969	BUIC	STAW	444669H130276	2	2	2	2	2	2	2	2	1	1	3	4	3	3	35	1	2	2	2	2	1	N/A	CITGO	0	2
9441	1969	CADI	DEVI	J9122611	2	2	2	2	2	2	2	2	1	1	3	4	4	5	2	4	6	2	2	2	1	N/A	ARCO-REGULAR	0	2
9442	1969	CHEV	NOVA	114279W326726	2	2	2	2	2	2	2	2	1	1	2	4	4	2	65	1	1	1	1	2	1	N/A	BELL OIL-REGULAR	0	2
9443	1969	CHEV	IMPA	164399J223038	2	2	2	2	2	2	2	2	1	1	3	3	3	5	120	2	5	4	2	2	1	N/A	STANDARD-ETHEL	0	2
9444	1969	CHEV	MALI	136379K317493	2	2	2	2	2	2	2	2	1	1	3	3	3	3	30	1	6	2	2	2	1	N/A	AMOCO	0	2
9445	1969	CHEV	IMPA	164679S119654	2	2	2	2	2	2	2	2	1	1	6	3	3	3	50	3	6	2	6	2	1	N/A	SHELL	0	2
9446	1969	CHEV	IMPA	164699J202657	2	2	2	2	2	2	2	2	1	1	3	4	3	3	2	1	2	2	2	2	1	N/A	VARIES	0	2
9447	1969	CHEV	BISC	153699F054185	2	2	2	2	2	2	1	2	2	1	3	4	3	5	2	2	1	1	1	2	1	N/A	VARIES	0	2
9448	1969	CHEV	CAPR	166399U232231	2	2	2	2	2	2	2	2	1	1	3	3	3	3	35	1	1	1	1	2	1	N/A	SHELL	0	2
9449	1969	CHRY	STAW	CP45G9C129455	2	2	2	2	2	2	2	2	1	2	4	4	4	5	2	4	1	1	1	2	1	N/A	MOBIL	0	2
9450	1969	DODG	CORO	WP23F9G167603	2	2	2	2	2	2	2	2	1	1	3	3	3	3	45	1	6	4	2	2	1	N/A	SHELL-REGULAR	0	2
9451	1969	FORD	FAIR	9A30L240586	2	1	1	2	1	2	2	2	2	2	3	3	4	3	30	1	1	1	1	2	1	N/A	REGULAR	0	2
9452	1969	FORD	MUST	9F02F180805	2	2	2	2	2	2	1	2	2	1	3	4	4	3	2	1	2	2	2	2	1	N/A	VARIES	0	2
9453	1969	FORD	TORI	9K42H120626	2	2	2	2	2	2	2	2	1	1	3	3	3	5	10	1	2	2	2	2	1	N/A	MOBIL PREMIUM	0	2
9454	1969	FORD	LTD	9G64Y196231	2	2	2	2	2	2	2	2	1	1	2	3	3	5	10	1	2	2	6	2	1	N/A	MOBIL-REGULAR	0	2
9455	1969	FORD	MUST	9F03F112705	2	2	2	2	2	2	2	2	1	1	3	4	3	3	2	1	3	3	5	2	1	N/A	STANDARD-REGULAR	0	2
9456	1969	FORD	STAW	9076X235124	1	2	2	2	2	2	2	2	2	2	3	6	4	5	2	1	5	4	2	2	1	N/A	REGULAR	0	2
9457	1969	MERC	MARQ	9Z66K610800	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	1	1	1	2	1	N/A	VARIES	0	2
9458	1969	OLDS	MNTY	386699M363882	2	2	2	2	2	2	2	2	1	1	6	4	6	3	2	1	6	2	2	2	1	N/A	MOBIL	0	2
9459	1969	OLDS	DELT	354379X137527	2	2	2	2	2	2	2	2	1	1	3	4	4	5	15	1	3	4	2	2	1	N/A	ARCO	0	2
9460	1969	PLYM	STAW	RH45F9G163731	2	2	2	2	2	2	2	2	1	1	3	3	3	5	10	1	2	2	2	2	1	N/A	MOBIL-REGULAR	0	2
9461	1969	PLYM	VALI	VL41A9B272374	2	2	2	2	2	2	2	2	1	2	3	3	3	3	25	1	2	2	2	2	1	N/A	SHELL	0	2
9462	1969	PONT	LEMA	237379A118163	2	2	2	2	2	2	2	2	1	1	3	3	3	3	3	1	1	1	1	2	1	N/A	ARCO-REGULAR	0	2
9463	1969	PONT	CATA	252699X156[illegible]	2	2	2	2	2	2	2	2	1	2	1	4	4	3	3	1	2	2	2	2	1	N/A	STANDARD-SUPER	0	2
9464	1969	PONT	CATA	252379X129744	2	2	2	2	2	2	1	2	2	2	3	4	4	3	60	3	6	4	6	2	1	N/A	STANDARD	0	2
9465	1969	TOYO	CORO	RT43172356	2	2	2	2	2	2	2	2	1	2	3	3	3	3	3	2	1	1	1	2	1	N/A	CHECKER-REGULAR	0	2
9466	1969	VOLK	TRAN	2290038284	2	2	2	2	2	2	2	2	1	1	3	4	3	5	5	1	3	4	2	2	1	N/A	MOBIL	0	2
9467	1969	VOLK	TRAN	239118080	2	2	2	2	2	2	2	2	1	2	3	3	3	3	2	3	1	1	1	2	1	N/A	STANDARD	0	2
8468	1967	AMC	STAW	A7K380A162463	2	2	2	2	2	2	2	2	1	1	3	2	4	5	25	1	2	2	2	2	1	N/A	SHELL-REGULAR	0	2
8469	1967	AMC	STAW	A7KA80E162494	1	2	2	2	2	2	2	2	2	1	3	4	6	5	8	1	2	2	2	2	1	N/A	STANDARD	0	2
8470	1967	AMC	REBE	A7KA97H163656	2	2	2	2	2	2	2	2	1	1	3	4	4	3	2	1	5	3	5	2	1	N/A	TEXACO-SKYCHIEF	0	2
8471	1967	BUIC	LESA	452697H330081	2	2	2	2	2	2	2	2	1	1	3	4	4	3	45	1	2	2	2	2	1	N/A	SHELL-SUPER	0	2
8472	1968	BUIC	RIVI	494878H945799	2	2	2	2	2	2	2	2	1	1	3	4	3	3	50	3	6	2	2	2	1	N/A	FIRECHIEF	0	2
8473	1968	BUIC	STAW	444658H296980	2	2	2	2	2	2	1	2	2	2	3	3	3	5	8	1	4	4	6	2	1	N/A	VARIES	0	2
8474	1966	CADI	FLEE	P6136230	2	2	1	2	2	2	2	2	2	2	6	6	6	3	2	4	1	4	2	2	1	N/A	STANDARD-PREMIUM	0	1
8475	1967	CHEV	IMPA	164397J108585	2	2	2	2	2	2	2	2	1	1	2	4	4	5	2	1	1	1	1	2	1	N/A	ARCO-REGULAR	0	2
8476	1967	CHEV	CHEL	136177K180563	2	2	1	2	2	1	2	2	2	1	3	3	3	3	0	1	1	1	1	2	1	N/A	MOBIL	0	2
8477	1967	CHEV	BELA	156697J112687	1	2	2	2	2	2	2	2	2	1	3	4	3	4	38	1	5	4	2	2	1	N/A	VARIES	0	2
8478	1968	CHEV	IMPA	164698J262414	2	2	2	2	2	2	2	2	1	1	3	4	4	5	2	1	2	2	2	2	1	N/A	FIRECHIEF	0	2
8479	1967	CHEV	CAPR	166397J241475	2	2	1	2	2	1	2	2	2	1	3	3	4	5	3	1	1	1	1	2	1	N/A	ARCO-REGULAR	0	2
8480	1968	CHEV	IMPA	164478D113263	2	2	2	2	2	2	2	2	1	1	3	2	3	5	15	1	1	1	1	2	1	N/A	TEXACO-REGULAR	0	2

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

CHICAGO

VEH	YEAR	MAKE	MODL	VEHICLE IDENT	PERFORMANCE PROBS A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMT	M
8481	1967	CHEV	IMPA	164697J244763	2	2	2	2	2	2	2	2	1	1	3	4	4	3	2	1	1	1	1	2	1	N/A	EASY GO-REGULAR	0	2
8482	1967	CHEV	MALI	136177K218929	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	1	4	6	2	1	N/A	TEXACO	0	2
8483	1968	CHEV	IMPA	164398J252329	2	2	2	1	2	2	2	2	2	2	3	3	3	5	15	1	2	2	2	2	1	N/A	PHILLIPS 66	0	2
8484	1968	CHEV	IMPA	164478J237919	2	2	2	2	2	2	2	2	1	1	3	4	4	5	20	1	2	4	2	2	1	N/A	ARCO	0	2
8485	1968	CHEV	STAW	156458J296958	2	2	2	2	2	2	1	2	2	2	4	4	4	3	15	1	4	3	5	2	1	N/A	ARCO	0	2
8486	1968	CHEV	IMPA	164478J104208	2	2	2	2	2	2	2	2	1	1	3	4	5	2	50	1	4	2	2	2	1	N/A	ARCO	0	2
8487	1968	CHRY	NEWP	CL23G8C109450	2	2	2	2	2	2	2	2	1	1	5	4	4	3	35	4	1	1	1	2	1	N/A	MARTIN-REGULAR	0	2
8488	1966	DODG	DART	LL41B69121692	2	2	2	2	2	2	2	2	1	1	4	5	4	3	50	1	1	1	1	2	1	N/A	MOBIL-REGULAR	0	2
8489	1968	DODG	CORO	WP41F8G282312	2	2	2	2	2	2	2	2	1	1	1	3	3	5	2	1	3	4	6	2	1	N/A	MOBIL-REGULAR	0	2
8490	1966	DODG	POLA	DL41G64117438	1	2	2	2	2	2	2	1	2	1	4	4	3	3	35	1	4	4	6	2	1	N/A	AMOCO-REGULAR	0	2
8491	1968	FORD	MUST	8F01T219029	2	1	2	2	2	2	2	2	2	1	3	4	4	3	2	1	1	3	3	2	1	N/A	STANDARD-REGULAR	0	2
8492	1966	FORD	MUST	6F07T729714	2	2	2	2	2	2	2	2	1	1	3	3	3	5	25	1	1	1	1	2	1	N/A	MOBIL-REGULAR	0	2
8493	1966	FORD	STAW	6E74C264278	2	2	2	2	2	2	2	2	1	1	5	4	5	5	30	1	1	1	1	2	1	N/A	MOBIL-REGULAR	0	2
8494	1968	FORD	LTD	8G62F137550	2	2	2	2	2	2	2	2	1	1	3	4	2	3	17	3	4	2	2	2	1	N/A	GULF	0	2
8495	1967	FORD	LTD	7C62H115524	2	2	2	2	2	2	2	2	1	1	4	4	5	5	15	1	1	1	1	2	1	N/A	TEXACO	0	2
8496	1968	FORD	STAW	8G76Y224659	2	2	2	2	2	2	2	2	1	1	3	4	3	5	7	1	1	1	1	2	1	N/A	SHELL-REGULAR	0	2
8497	1966	FORD	MUST	6F07T344112	2	2	2	2	2	2	2	2	1	1	3	5	5	5	2	1	1	1	1	2	1	N/A	TEXACO-REGULAR	0	2
8498	1967	FORD	MUST	7T01C253738	2	2	2	2	2	2	2	2	1	1	3	4	5	4	80	1	1	1	1	2	1	N/A	STANDARD	0	2
8499	1968	FORD	FAIR	8K33C155605	1	2	2	2	2	2	2	2	2	1	3	4	6	3	50	3	2	2	2	2	1	N/A	VARIES	0	2
8500	1968	FORD	STAW	8G74Y230551	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	6	4	2	2	1	N/A	ARCO-PREMIUM	0	2
8501	1966	FORD	STAW	6C78Q239529	2	2	2	2	2	2	2	2	1	1	3	4	4	5	20	1	1	1	1	2	1	N/A	THORNTON-SUPER	0	3
8502	1967	LINC	CONT	7Y82G816912	2	2	1	2	2	2	2	2	2	1	3	3	4	2	40	1	1	4	2	2	1	N/A	ARCO-REGULAR	0	2
8503	1967	MERC	COUG	7F91C612652	2	2	2	2	2	2	2	2	1	1	3	5	5	3	2	1	2	2	2	2	1	N/A	AMOCO	0	2
8504	1967	OLDS	DLMN	352877X135690	2	2	2	2	2	2	2	2	1	1	3	3	3	3	38	1	1	2	2	2	1	N/A	MOBIL	0	2
8505	1968	OLDS	NNTY	386698M171286	2	2	1	2	2	2	2	2	2	1	3	4	4	5	12	1	3	2	2	2	1	N/A	TEXACO-REGULAR	0	2
8506	1968	OLDS	CUTL	336778M188797	2	2	2	2	2	2	2	2	1	1	2	6	4	3	36	1	1	1	1	2	1	N/A	STANDARD-REGULAR	0	2
8507	1968	PLYM	STAW	RP46F8G161618	1	1	2	1	2	2	2	2	2	2	3	4	3	3	2	4	1	1	2	2	1	N/A	STANDARD	0	2
8508	1968	PLYM	VIP	PP43F8D134990	2	2	2	2	2	2	2	2	1	1	3	3	4	3	20	1	3	3	5	2	1	N/A	SHELL-REGULAR	0	2
8509	1968	PLYM	STAW	PH45G8D261485	1	2	2	2	2	2	2	2	2	1	2	3	3	3	35	2	6	3	6	2	1	N/A	AMOCO-REGULAR	0	2
8510	1966	PLYM	VIP	PS43C62216527	2	2	2	2	2	1	2	2	2	1	3	4	5	5	15	3	1	1	1	2	1	N/A	SHELL	0	2
8511	1967	PONT	LEMA	237177K139025	2	2	2	2	2	2	2	2	1	1	2	3	2	5	12	1	4	4	2	2	1	N/A	VARIES	0	2
8512	1966	PONT	BONN	262396P263053	2	2	2	2	2	2	2	2	1	1	3	3	3	3	40	3	1	2	2	2	1	N/A	WARDS	0	2
8513	1968	PONT	LEMA	237378P170451	2	2	2	2	2	2	2	2	1	1	3	4	6	3	2	3	1	1	1	2	1	N/A	ARCO-REGULAR	0	2
8514	1967	PONT	CATA	252397P265319	2	2	2	2	2	2	2	2	1	2	2	3	3	5	10	3	6	4	6	2	1	N/A	BELL-REGULAR	0	2
8515	1966	PONT	BONN	262396X128271	2	2	1	2	2	2	2	2	2	1	4	4	4	5	60	1	1	1	1	2	1	N/A	ARCO	0	2
8516	1966	VOLK	TRAN	236114999	2	2	2	2	2	2	2	2	1	1	3	3	3	5	6	1	1	4	2	2	1	N/A	TEXACO-REGULAR	0	2
8517	1968	VOLK	TRAN	238018013	2	2	2	2	1	2	2	2	2	1	3	3	3	5	0	1	4	4	5	2	1	N/A	ARCO-REGULAR	0	2

APPENDIX C

LISTING OF TEST VEHICLE MAINTENANCE DATA

HOUSTON

VEH	YEAR	MAKE	MODL	VEHICLE IDENT	PERFORMANCE PROBS A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMI	M
7001	1976	CHEV	C10	CCL146S113924	2	2	2	2	1	2	2	2	2	1	3	1	1	1	1	1	4	4	2	1	2	.0440	UNLEADED	0	2
7002	1976	CHEV	C10	CCV146F376846	2	2	2	2	1	1	2	2	2	1	4	2	1	1	1	1	5	4	2	1	2	.0150	GULF-UNLEADED	0	2
7003	1976	CHEV	C10	CCD146S133608	2	2	2	2	2	1	2	2	2	2	3	2	1	1	1	1	4	3	5	1	2	.0100	VARIES REGULAR	0	2
7004	1976	CHEV	C10	CCL146F369739	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	2	2	2	1	2	.0100	UNLEADED	0	2
7005	1976	DODG	D100	D14AE5S150062	2	2	2	2	2	2	2	2	1	1	3	2	3	2	2	1	2	2	2	1	2	.1000	UNLEADED	0	2
7006	1976	DODG	VAN	B12AF6X115300	1	2	1	2	2	2	2	2	2	2	3	3	3	2	2	1	5	3	3	1	2	.0280	UNLEADED	0	2
7007	1976	FORD	F100	F10BLC76936	2	2	2	2	2	2	2	2	1	3	3	1	1	1	1	1	5	3	3	1	2	.0100	GULF-UNLEADED	0	2
7008	1976	FORD	F100	F10BLB57115	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	2	2	1	2	.0790	TEXACO-UNLEADED	0	2
7009	1976	FORD	E100	E04BHB45259	2	2	2	2	2	2	2	1	2	2	3	1	1	1	1	1	3	4	2	1	2	.0210	UNLEADED	0	2
7010	1976	CHEV	LUV	CLN145S216431	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	2	.0210	UNLEADED	0	2
7011	1975	CHEV	C10	CCV145S165726	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	3	4	3	5	1	5	.1000	SHAMROCK-REGULAR	0	2
7012	1975	CHEV	C10	CCV145A124183	2	2	2	2	2	2	2	2	1	1	3	5	5	5	12	2	5	3	5	1	2	.0180	UNLEADED	0	2
7013	1975	CHEV	C10	CCY145S163658	2	2	2	2	2	2	2	2	1	3	3	3	3	3	40	1	5	3	5	1	2	.0150	UNLEADED	0	2
7014	1975	DODG	VAN	B11AE5X143464	2	2	1	2	2	2	2	2	2	1	3	3	3	5	15	1	2	2	2	1	2	.0180	UNLEADED	0	2
7015	1975	FORD	F100	F10BLV60875	1	2	1	2	2	2	2	2	2	1	3	2	4	5	1	1	2	2	2	1	2	.0260	PHILLIPS-UNLEADED	0	2
7016	1975	FORD	F100	F10YLX42540	2	2	2	2	2	2	2	2	1	1	3	4	3	3	27	1	2	2	2	1	3	.0120	UNLEADED	0	2
7017	1975	FORD	F100	F10YKV42149	2	2	2	2	2	2	2	2	1	1	3	5	5	6	2	2	4	4	2	1	2	.0180	VARIES-UNLEADED	0	2
6018	1976	AMC	STAW	A6A087A220476	2	2	2	2	2	2	2	2	1	1	3	4	3	5	15	1	3	4	2	1	2	.0200	TEXACO-UNLEADED	0	2
6019	1976	BUIC	REGA	4J57H6H189372	2	2	1	1	1	1	1	2	2	3	1	1	1	1	1	1	4	3	3	1	2	.0200	FINA	0	2
6020	1976	BUIC	RIVI	4Z87Y6H410447	1	1	1	2	2	2	2	2	2	1	3	3	3	2	2	1	3	4	2	1	2	.0110	UNLEADED	0	2
6021	1976	CADI	DEVI	6D47S6Q280531	1	1	2	2	1	2	2	2	2	1	3	1	1	1	1	1	4	4	2	1	3	.1000	GULF-UNLEADED	0	2
6022	1976	CHEV	IMPA	1L69V6S166522	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	3	3	1	2	.1000	TEXACO	0	2
6023	1976	CHEV	IMPA	1L69V6S163952	2	2	2	2	2	1	1	2	2	1	3	2	1	1	1	1	2	2	2	1	2	.0230	SHAMROCK-UNLEADED	0	2
6024	1976	CHEV	MONZ	1M27B6C111681	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	3	4	2	1	2	.0110	UNLEADED	0	2
6025	1976	CHEV	IMPA	1L69U6S164818	2	2	2	2	2	2	2	2	1	3	3	1	1	1	1	1	5	3	5	1	2	.0090	TENNECO-UNLEADED	0	2
6026	1976	CHEV	MONT	1H57Q6R504358	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0210	UNLEADED	0	2
6027	1976	CHEV	NOVA	1X27D6K123459	2	2	2	2	2	2	2	2	1	3	3	4	1	1	1	1	3	4	2	1	2	.0180	SHELL UNLEADED	0	2
6028	1976	CHEV	CHET	1B08I6Y123667	2	1	2	2	1	2	2	2	2	1	3	1	1	1	1	1	2	2	2	1	2	.0310	UNLEADED	0	2
6029	1976	DODG	STAW	HH4506B239608	2	2	1	2	2	2	2	2	2	3	3	1	1	1	1	1	5	3	3	1	2	.0310	TEX GAS-UNLEADED	0	2
6030	1976	DODG	ASPE	NP41C6F164609	2	2	2	2	2	2	2	2	1	1	1	3	3	5	10	1	2	3	3	1	2	.0300	TEX GAS-UNLEADED	0	2
6031	1976	FORD	PINT	6X11Y172267	2	2	2	2	2	2	2	2	1	1	1	2	3	2	2	1	4	4	2	1	2	.1000	UNLEADED	0	2
6032	1976	FORD	LTD	6J63S146597	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0130	UNLEADED	0	2
6033	1976	FORD	ELIT	6C21H167944	2	2	2	2	2	1	1	2	2	1	3	4	2	1	1	1	4	4	2	1	2	.0300	GULF-UNLEADED	0	2
6034	1976	FORD	GRAN	6W81L231566	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0300	AMOCO-UNLEADED	0	2
6035	1976	FORD	GRAN	6W82F284281	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	3	3	1	2	.0200	UNLEADED	0	2
6036	1976	FORD	GRAN	6W81H109766	2	2	2	2	2	2	1	2	2	2	3	6	6	6	2	1	3	4	2	1	2	.0270	UNLEADED	0	2
6037	1976	MERC	MARQ	6Z66S550475	2	2	2	2	2	2	2	2	1	1	3	2	3	2	20	1	2	2	2	1	2	.0200	GULF-UNLEADED	0	2
6038	1976	MERC	MONA	6W35L571334	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	4	3	3	1	2	.0200	TENNECO-UNLEADED	0	2
6039	1976	OLDS	OMEG	3B69F6W117282	2	2	2	2	1	2	2	2	2	2	2	1	1	1	1	1	2	2	2	1	2	.0230	UNLEADED	0	2
6040	1976	OLDS	CUTL	3K29R6R110713	2	2	2	2	2	2	2	2	1	1	3	6	6	6	2	1	2	2	2	1	2	.0300	UNLEADED	0	2
6041	1976	OLDS	MNTY	3V37T6M211209	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0100	UNLEADED	0	2
6042	1976	PLYM	STAW	HL45C6B279586	2	2	2	2	1	2	2	2	2	1	3	1	1	1	1	1	3	3	4	1	2	.0100	UNLEADED	0	2
6043	1976	PLYM	STAW	HH45G6B407780	2	2	2	2	2	2	2	2	1	3	3	2	3	2	20	1	5	3	3	1	2	.0430	UNLEADED	0	2
6044	1976	PONT	LEMA	2G37M6A235710	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0190	UNLEADED	0	2
6045	1976	PONT	GRNP	2J57N6A117669	2	2	2	2	2	2	2	2	1	1	3	3	3	3	30	1	4	4	2	1	2	.0460	UNLEADED	0	2
6046	1976	DATS	B210	HLB210161906	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	4	2	2	1	.1000	REGULAR	0	2
6047	1976	DATS	STAW	HL610863423	2	2	2	2	2	2	2	1	2	1	3	2	3	2	34	1	3	3	4	2	1	.1000	EXXON-REGULAR	0	2
6048	1976	TOYO	CORO	TE31118121	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	1	3	4	2	2	1	.1000	REGULAR	0	2
6049	1976	TOYO	CELI	RA29038185	2	2	2	2	2	2	2	2	1	1	1	2	3	2	0	1	2	2	2	2	1	.1000	PREMIUM	0	2
6050	1976	VOLK	STAW	3362204973	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	2	1	.1000	REGULAR	0	2
6051	1976	VOLK	RABB	1763038389	2	2	2	2	2	2	2	2	1	1	3	2	3	2	0	1	5	3	3	1	2	.0200	VARIES-UNLEADED	0	2
5052	1975	AMC	STAW	A5A087A315703	2	2	2	2	2	2	2	2	1	1	3	5	5	6	2	1	2	2	2	1	2	.1000	UNLEADED	0	2
5053	1975	BUIC	CNTY	4H57H5H107166	2	2	2	2	2	2	2	2	1	1	3	3	3	2	46	1	4	4	2	1	2	.0100	UNLEADED	0	2
5054	1975	BUIC	STAW	4R45T5X133201	2	2	1	2	1	1	1	1	2	3	3	4	4	2	70	1	5	4	2	1	2	.0200	TENNECO-UNLEADED	0	2
5055	1975	CADI	DEVI	6D49S5Q275383	2	1	2	2	2	2	2	2	2	1	3	5	5	2	2	2	3	4	2	1	2	.0310	UNLEADED	0	2
5056	1975	CHEV	VEGA	1V77B5U155757	2	2	2	2	2	2	2	2	1	1	3	3	3	3	43	1	3	3	5	1	2	.0180	UNLEADED	0	2
5057	1975	CHEV	MONT	1H57H5R449702	2	2	2	2	2	2	2	2	1	1	3	4	4	2	2	1	3	4	2	1	2	.0160	UNLEADED	0	2
5058	1975	CHEV	CAMA	1S87H5N594913	2	2	2	2	2	1	2	2	2	1	6	6	6	6	2	1	2	2	2	1	2	.0180	UNLEADED	0	2
5059	1975	CHEV	CAPR	1N67Y5S115568	1	2	2	2	2	2	2	2	2	2	3	3	3	3	24	1	5	4	2	1	2	.0080	UNLEADED	0	2
5060	1975	CHEV	NOVA	1X69D5L124597	2	2	2	2	2	2	2	2	1	1	3	3	3	3	32	1	2	2	2	1	2	.0270	UNLEADED	0	2
5061	1975	CHRY	CORD	SS22G5R242898	1	2	2	2	1	2	2	2	2	1	3	3	4	2	2	1	5	4	2	1	2	.0250	UNLEADED	0	2
5062	1975	DODG	CHAR	XS22K5R276206	2	2	2	2	2	2	2	2	1	3	3	4	3	5	2	1	2	3	3	1	2	.0210	UNLEADED	0	2
5063	1975	FORD	PINT	5T10Y146780	2	2	2	2	2	2	2	2	1	1	3	3	3	5	45	1	2	2	2	1	2	.0140	UNLEADED	0	2
5064	1975	FORD	LTD	5B63H128134	2	2	2	2	2	2	2	2	1	1	3	3	3	3	37	1	5	3	5	1	2	.0230	SHELL-UNLEADED	0	2
5065	1975	FORD	LTD	5U63S150519	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	5	4	2	1	2	.0200	UNLEADED	0	2
5066	1975	FORD	GRAN	5W83L126984	2	2	2	2	2	2	2	1	2	1	3	4	4	3	35	1	1	1	1	1	2	.0300	FED MART-UNLEADED	0	2
5067	1975	FORD	GRAN	5E82F144967	2	2	2	2	2	2	1	2	2	1	3	3	3	5	10	1	3	4	2	1	2	.0110	UNLEADED	0	2
5068	1975	MERC	MARQ	5Z63S560496	2	2	2	2	2	2	2	2	1	1	3	5	5	5	6	1	3	4	2	1	2	.0160	UNLEADED	0	2
5069	1975	OLDS	STAW	3J45K5R116794	2	2	2	1	2	2	2	2	2	1	3	3	3	4	40	2	2	2	2	1	2	.0330	UNLEADED	0	2
5070	1975	OLDS	MNTY	3X37T5M108425	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	5	3	5	1	2	.0710	EXXON UNLEADED	0	2
5071	1975	PLYM	VALI	VP23C5B230771	2	2	2	2	2	1	2	2	2	1	3	5	5	6	2	1	4	4	2	1	2	.0260	UNLEADED	0	2
5072	1975	PLYM	FURY	RP23G5G175669	2	2	2	2	2	2	2	2	1	1	3	3	3	3	42	3	3	3	5	1	2	.0260	AMOCO-UNLEADED	0	2
5073	1975	PONT	CATA	2L69R5X102270	2	1	2	2	2	1	1	1	2	2	3	5	5	2	2	1	4	4	2	1	2	.0150	GULF-UNLEADED	0	2
5074	1975	PONT	LEMA	2F37M51509094	1	2	2	2	2	2	1	2	2	2	4	5	5	2	1	3	5	3	5	1	2	.0200	UNLEADED	0	2
5075	1975	DATS	B210	HLB210097619	2	2	2	2	2	2	2	2	1	1	4	5	5	2	2	3	3	4	2	2	1	.1000	REGULAR	0	2
5076	1975	TOYO	STAW	RT119002133	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	2	2	2	2	1	.1000	PREMIUM	0	2
5077	1975	TOYO	STAW	TE38020737	2	2	2	2	2	2	2	2	1	1	4	1	4	5	8	1	4	4	2	2	1	.1000	REGULAR	0	2
5078	1975	VOLK	SEDA	1152118297	1	2	2	1	2	2	2	2	2	1	3	3	3	3	40	1	5	3	5	2	1	.1000	REGULAR	0	2
5079	1975	VOLK	RABB	1753173936	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	1	1	1	1	2	.0260	UNLEADED	0	2
4080	1974	AMC	MATA	A4A169H162261	2	2	2	2	2	2	2	2	1	1	3	4	3	2	25	1	5	3	5	2	1	N/A	EXXON-REGULAR	0	2

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

HOUSTON

					PERFORMANCE PROBS																								
VEH	YEAR	MAKE	MODL	VEHICLE IDENT	A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMT	M
4081	1974	BUIC	ELEC	4X39T4H414558	2	2	2	2	2	2	2	2	1	1	3	4	4	3	80	1	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
4082	1974	CADI	DEVI	6D47R4Q169906	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	2	2	2	2	1	N/A	REGULAR	0	2
4083	1974	CHEV	VEGA	1V15A4U179305	1	1	2	2	1	2	2	2	2	3	4	3	3	5	2	1	5	3	5	2	1	N/A	EXXON-REGULAR	0	2
4084	1974	CHEV	MALI	1D37H4R431217	1	1	2	1	1	2	2	2	2	3	3	3	3	3	38	1	5	3	5	2	1	N/A	EXXON-REGULAR	0	2
4085	1974	CHEV	NOVA	1X27D4L218896	2	1	1	2	2	1	2	2	2	1	3	4	3	3	50	2	3	4	2	2	1	N/A	VARIES-REGULAR	0	2
4086	1974	CHEV	NOVA	1X69H4L153127	2	2	2	2	2	2	2	2	1	1	3	4	3	3	50	1	5	2	2	2	1	N/A	EXXON-REGULAR	0	2
4087	1974	CHEV	MALI	1C37H4R467254	2	2	2	2	2	2	1	2	2	1	3	4	3	2	2	1	1	1	1	2	1	N/A	REGULAR	0	2
4088	1974	CHEV	STAW	1L35U4S150992	2	2	2	2	2	2	2	1	2	1	3	3	3	3	60	1	2	2	2	2	1	N/A	TEXACO-UNLEADED	0	2
4089	1974	CHRY	NEWP	CL41M4C113252	2	2	2	2	2	2	2	2	1	1	4	4	3	4	2	1	3	4	2	2	1	N/A	REGULAR	0	2
4090	1974	DODG	MONA	DH23K4D257808	2	1	2	2	2	1	1	2	2	1	3	2	4	5	10	1	5	3	5	2	1	N/A	EXXON-REGULAR	0	2
4091	1974	FORD	PINT	4X10X195880	2	2	2	2	2	2	2	2	1	1	3	3	3	5	18	1	4	4	2	2	1	N/A	EXXON-REGULAR	0	2
4092	1974	FORD	MAVE	4K92F214922	2	2	2	2	2	2	2	2	1	1	3	2	4	5	10	1	2	2	2	2	1	N/A	TEXACO-REGULAR	0	2
4093	1974	FORD	MAVE	4W92L212920	2	2	2	2	2	2	1	2	2	1	3	2	3	2	2	1	4	2	2	2	1	N/A	EXXON-REGULAR	0	2
4094	1974	FORD	LTD	4J63S168326	2	2	2	2	1	2	2	2	2	1	3	3	3	3	60	1	2	2	2	2	1	N/A	ARCO-REGULAR	0	2
4095	1974	FORD	STAW	4A43H177707	2	2	2	2	2	2	2	2	1	1	3	4	3	5	10	1	3	4	5	2	1	N/A	REGULAR	0	2
4096	1974	MERC	COUG	4A93H533777	1	1	1	2	1	1	2	2	2	2	4	5	3	3	2	1	5	3	5	2	1	N/A	VARIES-REGULAR	0	2
4097	1974	OLDS	STAW	3H45K4R193396	2	2	2	2	2	2	2	2	1	1	3	3	3	2	24	1	4	3	5	2	1	N/A	VARIES-REGULAR	0	2
4098	1974	OLDS	CUTL	3J29K4R189868	1	2	2	2	2	2	2	2	2	1	3	4	4		2	1	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
4099	1974	PLYM	SATE	RP23G4G134051	2	1	2	2	2	2	2	2	2	1	3	3	3	2	2	1	5	3	5	2	1	N/A	SHAMROCK-REGULAR	0	2
4100	1974	PLYM	DUST	VL29G4G238811	2	2	2	2	2	2	2	2	1	1	3	6	4	4	44	1	5	3	5	2	1	N/A	REGULAR	0	2
4101	1974	PONT	CATA	2L57R4X107063	1	2	2	2	2	2	2	1	2	2	3	4	4	5	10	2	3	4	2	2	1	N/A	GULF-UNLEADED	0	2
4102	1974	DATS	610	HL610025118	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	4	4	2	2	1	N/A	SHELL-REGULAR	0	2
4103	1974	TOYO	CORO.	TE27427559	2	2	2	2	2	2	2	2	1	1	3	4	5	2	40	1	3	2	2	2	1	N/A	SHELL-REGULAR	0	2
4104	1974	TOYO	STAW	RT118019692	1	2	2	2	2	2	2	2	2	1	3	4	3	3	30	1	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
4105	1974	VOLK	SEDA	1342093384	2	2	2	2	2	2	2	2	1	1	3	3	3	2	25	1	2	2	2	2	1	N/A	GULF-REGULAR	0	2
4106	1974	VOLK	SEDA	1142736305	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	3	3	5	2	1	N/A	EXXON-REGULAR	0	2
3107	1973	AMC	HORN	A3A057E304044	2	1	2	1	2	2	1	2	2	1	3	3	3	6	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	0	2
3108	1973	BUIC	ELEC	4T39T3H575619	1	2	2	2	2	2	2	2	2	1	3	4	3	4	2	1	1	1	1	2	1	N/A	PREMIUM	0	2
3109	1973	BUIC	APOL	4B27H3L104506	2	2	2	2	2	2	2	2	1	1	3	4	3	4	33	1	1	1	1	2	1	N/A	REGULAR	0	2
3110	1973	CADI	DEVI	6D47R3Q262691	2	2	2	2	2	2	2	2	1	1	3	3	3	4	50	1	2	2	2	2	1	N/A	SHAMROCK-REGULAR	0	2
3111	1973	CHEV	VEGA	1V77A3U112846	1	2	2	2	1	2	2	2	2	3	3	3	3	5	20	1	1	1	1	2	1	N/A	PREMIUM	0	2
3112	1973	CHEV	MONT	1H57H3P443059	2	2	2	2	2	2	2	2	1	1	3	4	3	4	80	1	2	2	2	2	1	N/A	GULF-PREMIUM	0	2
3113	1973	CHEV	NOVA	1X69H3L213760	2	2	2	2	2	2	2	2	1	1	4	3	3	4	2	1	2	2	2	2	1	N/A	REGULAR	0	2
3114	1973	CHEV	IMPA	1L47H3J297665	2	2	2	2	1	2	2	2	2	1	3	3	3	4	33	1	2	2	2	2	1	N/A	REGULAR	0	2
3115	1973	CHEV	IMPA	1L69H3S203763	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	1	1	1	2	1	N/A	REGULAR	0	2
3116	1973	DODG	DART	LL41C3R302015	1	1	2	2	2	2	2	2	2	1	3	5	5	2	2	2	5	4	2	2	1	N/A	SHELL-REGULAR	0	2
3117	1973	FORD	PINT	3X11X284743	2	2	2	2	2	2	2	2	1	1	3	5	3	5	6	1	5	4	2	2	1	N/A	VARIES-REGULAR	0	2
3118	1973	FORD	MUST	3F05H147562	2	2	1	2	1	2	2	2	2	1	3	3	3	2	50	1	4	4	2	2	1	N/A	EXXON-PREMIUM	0	2
3119	1973	FORD	MAVE	3K92F271893	2	2	2	2	2	2	2	2	1	1	4	4	4	5	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	0	2
3120	1973	FORD	LTD	3G64H180873	2	2	2	2	2	2	2	2	1	1	3	4	3	5	15	1	1	1	1	2	1	N/A	FILL'EM FAST-REG	0	2
3121	1973	FORD	STAW	3W74S230683	2	2	2	2	2	2	2	2	1	2	3	4	3	3	35	1	4	3	5	2	1	N/A	VARIES-PREMIUM	0	2
3122	1973	MERC	MONT	3H10H572790	1	2	2	2	2	2	2	2	2	2	3	3	3	3	30	1	2	2	2	2	1	N/A	REGULAR	0	2
3123	1973	OLDS	CUTL	3J57U3R165344	2	2	2	2	2	2	2	1	2	1	3	3	3	3	2	3	2	2	2	2	1	N/A	GULF-PREMIUM	0	2
3124	1973	OLDS	CUTL	3J57K3R114414	2	2	2	1	2	2	2	2	2	3	3	3	3	3	105	1	3	4	2	2	1	N/A	PREMIUM	0	2
3125	1973	PLYM	SATE	RP23G3R149963	2	2	2	1	2	2	2	2	2	1	3	3	3	5	15	1	5	4	2	2	1	N/A	REGULAR	0	2
3126	1973	PLYM	SCAM	VH23C3B363544	2	2	2	2	2	2	2	2	1	1	3	4	3	4	[illegible]	1	3	4	2	2	1	N/A	REGULAR	0	2
3127	1973	PONT	CATA	2L39R3C122950	2	2	2	2	2	2	2	2	1	1	3	3	3	3	10	3	5	4	2	2	1	N/A	REGULAR	0	2
3128	1973	PONT	LEMA	2D37M3Z127179	2	2	2	1	2	2	2	2	2	1	3	3	3	4	40	1	3	3	5	2	1	N/A	VARIES-REGULAR	0	2
3129	1973	DATS	PICK	PL620250195	2	2	2	2	2	2	1	2	2	1	3	3	3	5	15	1	1	1	1	2	1	N/A	VARIES-PREMIUM	0	2
3130	1973	OPEL	GT	0Y07NC2989214	2	2	1	2	2	2	2	2	2	1	3	3	3	5	12	1	1	1	1	2	1	N/A	PREMIUM	0	2
3131	1973	TOYO	CORO	TE21649673	1	1	1	2	1	2	1	2	2	1	3	4	3	2	70	2	4	3	5	2	1	N/A	SHELL-PREMIUM	0	2
3132	1973	VOLK	TRAN	2232250582	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	3	4	2	2	1	N/A	REGULAR	0	2
3133	1973	VOLK	SEDA	1132446032	2	2	2	2	2	2	2	2	1	1	3	3	3	4	32	1	2	2	2	2	1	N/A	REGULAR	0	2

APPENDIX C

LISTING OF TEST VEHICLE MAINTENANCE DATA

PHOENIX

					PERFORMANCE PROBS																						
VEH	YEAR	MAKE	MODL	VEHICLE IDENT	A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMC	M
6018	1976	AMC	STAW	A6A087A315551	2	2	2	2	2	2	2	2	1	1	3	2	1	2	1	1	2	2	2	1	2	.0120	SHELL-UNLEADED	2	2
6019	1976	BUIC	CNTY	4D29H6H127182	2	2	2	2	2	2	1	2	2	1	3	2	3	2	2	1	2	3	3	1	2	.0140	EXXON-UNLEADED	0	2
6020	1976	BUIC	ELEC	4V39X6H407334	2	2	2	2	2	1	2	2	2	1	3	3	3	3	2	1	2	2	3	1	2	.0200	VARIES-UNLEADED	0	2
6021	1976	CADI	ELDO	6L47S6Q322467	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.1000	VARIES-UNLEADED	2	2
6022	1976	CHEV	STAW	1C35V6Z433060	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0260	UNION 76-UNLEADED	2	2
6023	1976	CHEV	MALI	1D29V6Z471185	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	3	3	1	2	.0160	VARIES-UNLEADED	0	2
6024	1976	CHEV	MONZ	1R07B6C130706	1	2	2	2	2	2	2	2	2	1	3	1	1	1	1	1	3	4	3	1	2	.0140	VARIES-UNLEADED	0	2
6025	1976	CHEV	STAW	1N45U6S142929	2	2	2	2	2	2	2	2	1	1	3	2	1	1	1	1	3	4	2	1	2	.0200	SHELL-UNLEADED	2	2
6026	1976	CHEV	MALI	1D37Q6R421618	2	2	2	2	2	2	2	2	1	1	3	3	4	2	2	1	3	3	5	1	2	.0130	UNLEADED	0	2
6027	1976	CHEV	NOVA	1X69D6L111750	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	3	4	2	1	2	.0210	SHELL-UNLEADED	2	2
6028	1976	CHEV	CHET	1B08I6Y170479	2	2	2	2	2	2	2	2	1	1	4	1	1	1	1	1	4	4	2	1	2	.0220	VARIES-UNLEADED	2	2
6029	1976	DODG	ASPE	NH41G6F280059	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0100	VARIES-UNLEADED	0	2
6030	1976	DODG	ASPE	NP29C6B261491	2	2	2	2	2	2	2	2	1	3	3	2	1	1	1	1	5	3	3	1	2	.0140	UNION 76-UNLEADED	2	2
6031	1976	FORD	STAW	6X12Y160428	2	2	2	2	2	2	2	2	1	1	3	2	3	2	17	1	3	4	2	1	2	.0380	CHEVRON-UNLEADED	2	2
6032	1976	FORD	LTD	6J63S157308	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	2	.0200	UNLEADED	2	2
6033	1976	FORD	TORI	6A31H102126	2	2	2	2	2	2	2	2	1	1	6	1	1	1	1	1	2	2	2	1	2	.0230	UNION76-UNLEADED	0	2
6034	1976	FORD	GRAN	6W81L125060	2	2	2	2	1	2	2	2	2	1	3	3	3	4	15	1	2	2	2	1	2	.1000	UNLEADED	0	2
6035	1976	FORD	GRAN	6W81F120356	2	2	2	2	2	2	2	2	1	1	3	2	1	1	1	1	3	4	2	1	2	.0110	GEMCO-UNLEADED	2	2
6036	1976	FORD	GRAN	6W81H153941	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0140	VARIES-UNLEADED	2	2
6037	1976	MERC	MONG	6H10S506143	2	2	2	2	2	1	1	2	2	1	3	3	3	2	50	1	3	4	2	1	2	.0060	VARIES-UNLEADED	2	2
6038	1976	MERC	MONA	6W34L546073	2	2	2	2	2	2	2	2	1	1	3	3	6	6	2	1	3	4	2	1	2	.0210	VARIES-UNLEADED	2	2
6039	1976	OLDS	OMEG	3B27F6L107206	2	2	1	2	2	2	2	2	2	1	1	3	3	3	2	1	3	4	2	1	5	.0240	SHELL-REGULAR	2	2
6040	1976	OLDS	CUTL	3G29R6R138249	2	2	2	2	2	2	2	1	2	1	3	3	4	5	20	1	3	3	5	1	2	.0200	UNLEADED	0	2
6041	1976	OLDS	TORO	3Z57S6M714879	2	2	2	2	2	2	2	2	1	1	3	2	3	2	15	1	3	4	2	1	2	.0410	STANDARD-UNLEADED	2	2
6042	1976	PLYM	VOLA	HP41C6F174662	1	2	2	2	2	2	2	2	2	1	3	1	1	1	1	1	4	4	2	1	2	.0130	EXXON-UNLEADED	2	2
6043	1976	PLYM	VOLA	HP29G6B250761	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	3	5	1	2	.0180	VARIES-UNLEADED	2	2
6044	1976	PONT	LEMA	2D37M6P207309	2	2	2	2	2	2	2	2	1	1	2	1	2	1	1	1	2	2	2	1	2	.0290	EXXON-UNLEADED	0	2
6045	1976	PONT	GRNP	2K57Z6P169028	2	2	2	2	2	2	2	2	1	1	3	6	6	6	2	1	3	4	2	1	2	.0240	VARIES-UNLEADED	2	2
6046	1976	DATS	B210	HLB210159277	2	2	2	2	2	2	2	2	1	1	3	2	3	3	34	1	3	4	2	2	1	.1000	REGULAR	0	2
6047	1976	DATS	PICK	HLG620820500	2	2	2	2	2	2	2	2	1	3	3	1	2	1	1	1	3	3	5	2	1	.1000	REGULAR	0	2
6048	1976	TOYO	CORO	TE31149267	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	2	1	.1000	VARIES-PREMIUM	0	2
6049	1976	TOYO	CELI	RA29003776	2	2	2	2	2	2	2	2	1	1	3	4	3	2	50	1	3	4	2	2	1	.1000	REGULAR	0	2
6050	1976	VOLK	RABB	1763253429	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	3	4	2	1	2	.0190	VARIES-UNLEADED	0	2
6051	1976	VOLK	RABB	1763173552	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.0170	VARIES-UNLEADED	0	2
6201	1976	AMC	HORN	A6A037H267808	2	2	2	2	2	2	2	1	2	1	3	1	1	1	1	1	5	3	4	1	2	.0210	SHELL-UNLEADED	2	2
6202	1976	AMC	STAW	A6A087A238782	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	3	4	1	2	.0260	SHELL-UNLEADED	2	2
6203	1976	AMC	MATA	A6A167P227361	2	2	2	2	2	2	2	2	1	1	3	3	4	2	2	1	5	4	2	1	2	.0240	MOBIL-UNLEADED	2	2
6204	1976	AMC	PACE	A6A667E103015	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	1	2	2	2	1	2	.0130	VARIES-UNLEADED	2	1
6205	1976	BUIC	CNTY	4H29C6G113097	2	2	2	2	2	2	2	2	1	1	3	2	3	2	30	2	4	4	2	1	2	.1000	CHEVRON-UNLEADED	2	2
6206	1976	BUIC	LESA	4P69J6H402100	2	2	2	2	2	2	2	2	1	1	3	2	2	1	1	1	2	2	2	1	2	.0190	VARIES-UNLEADED	2	2
6207	1976	BUIC	CNTY	4H57J6H137429	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0100	SHELL-UNLEADED	2	2
6208	1976	BUIC	ELEC	4X37X6H481048	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	4	4	2	1	2	.0090	SHELL-UNLEADED	2	2
6209	1976	BUIC	CNTY	4D29H6Z142826	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	3	5	1	2	.0080	VARIES-UNLEADED	2	2
6210	1976	BUIC	CNTY	4E37G6Z125083	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	1	3	4	2	1	2	.0090	UNION76-UNLEADED	2	2
6211	1976	BUIC	SKYL	4B69F6L115485	1	2	2	2	2	2	2	2	2	1	3	2	3	5	10	1	3	4	2	1	2	.0090	VARIES-UNLEADED	2	2
6212	1976	CADI	SEVI	6S69R6Q489932	2	2	2	2	2	2	2	2	1	3	3	3	3	2	2	1	5	4	2	1	2	.0200	VARIES-UNLEADED	2	2
6213	1976	CADI	DEVI	6D47S6Q214396	2	2	2	2	2	2	2	2	1	1	3	3	3	4	27	1	4	3	5	1	2	.0140	VARIES-UNLEADED	2	2
6214	1976	CADI	ELDO	6L47S6Q317934	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.1000	TEXACO-UNLEADED	2	2
6215	1976	CADI	DEVI	6D47S6Q283674	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0230	SHELL-UNLEADED	2	2
6216	1976	CHEV	CHET	1J08I6Y242135	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	5	4	2	1	2	.1000	VARIES-UNLEADED	2	2
6217	1976	CHEV	IMPA	1L47V6J133081	2	2	2	2	2	2	2	2	1	1	3	3	3	3	47	1	4	4	2	1	2	.0090	VARIES-UNLEADED	2	2
6218	1976	CHEV	MALI	1D37Q6R414968	2	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	2	.0540	UNION76-UNLEADED	0	2
6219	1976	CHEV	MONT	1H57V6Z429069	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	1	6	2	6	1	2	.0220	VARIES-UNLEADED	2	2
6220	1976	CHEV	NOVA	1X69D6L104123	1	2	2	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	2	.0240	EXXON-UNLEADED	2	2
6221	1976	CHEV	MONT	1H57V6Z441899	2	2	2	2	2	1	2	2	2	1	3	3	3	3	10	1	5	4	2	1	2	.0180	VARIES-UNLEADED	2	2
6222	1976	CHEV	CAMA	1Q87Q6L505970	2	2	2	2	2	2	2	2	1	1	3	4	1	1	1	1	3	4	2	1	2	.0090	VARIES-UNLEADED	2	2
6223	1976	CHEV	CAPR	1N47U61335286	2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1	3	3	5	1	2	.0110	VARIES-UNLEADED	2	2
6224	1976	CHEV	STAW	1035V6Z449350	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	3	5	1	2	.0180	UNION76 UNLEADED	2	2
6225	1976	CHEV	IMPA	1L39U6J246583	2	2	2	2	2	2	2	2	1	1	3	2	1	1	1	1	3	4	2	1	2	.0080	UNION76-UNLEADED	2	2
6226	1976	CHEV	MONT	1H57V6Z433356	2	2	2	2	2	2	2	2	1	1	3	1	2	1	1	1	2	2	2	1	2	.0140	VARIES-UNLEADED	2	2
6227	1976	CHEV	MONT	1H57V6Z477911	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.0280	EXXON-UNLEADED	2	2
6228	1976	CHEV	VEGA	1V11B6U186969	2	1	2	2	2	2	2	2	2	1	3	1	1	1	1	1	2	2	2	1	2	.0080	SHELL-UNLEADED	2	2
6229	1976	CHEV	MONZ	1M27Q6C108899	2	2	2	2	2	2	2	2	1	1	3	3	3	2	25	1	3	4	2	1	2	.0100	VARIES-UNLEADED	2	2
6240	1976	CHEV	NOVA	1Y69L6K114378	2	2	2	2	2	1	2	2	2	1	3	2	1	1	1	1	4	4	2	1	2	.1000	UNION 76-UNLEADED	2	2
6231	1976	CHEV	MALI	1D37V6R440691	2	1	2	2	2	1	2	2	2	2	3	3	3	2	2	1	3	4	2	1	2	.0200	VARIES-UNLEADED	2	2
6232	1976	CHEV	MALI	1D29V6R457404	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0200	ARCO-UNLEADED	2	2
6233	1976	CHEV	MONT	1H57V6R417054	2	2	2	2	2	2	2	2	1	1	3	3	3	3	8	1	2	2	2	1	2	.0140	SHELL-UNLEADED	2	2
6234	1976	CHEV	CAMA	1S87Q6L513109	2	2	2	2	2	2	2	2	1	1	3	3	3	3	28	1	4	4	2	1	2	.0220	VARIES-UNLEADED	2	2
6235	1976	CHEV	STAW	1V15B6U109293	2	2	2	2	2	2	2	2	1	3	2	3	3	5	15	1	4	3	5	1	2	.0200	VARIES-UNLEADED	2	2
6236	1976	CHEV	MONT	1H57V6R420786	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.0160	VARIES-UNLEADED	2	2
6237	1976	CHEV	NOVA	1X27D6L106597	1	2	2	2	2	2	2	2	2	1	3	3	3	5	2	1	4	4	2	1	2	.0150	VARIES-UNLEADED	2	2
6238	1976	CHEV	STAW	1V15B6U166584	2	2	2	2	2	1	2	2	2	1	2	1	1	1	1	1	2	2	2	1	2	.1000	VARIES-UNLEADED	2	2
6239	1976	CHEV	NOVA	1Y27Q6G125266	2	2	2	2	2	2	2	2	1	1	3	3	3	3	30	1	3	3	5	1	2	.0250	EXXON-UNLEADED	2	2
6240	1976	CHRY	CORD	SS22M6R117075	2	1	2	2	2	1	2	2	2	2	3	1	1	1	1	1	5	3	3	1	2	.0350	VARIES-UNLEADED	2	2
6241	1976	CHRY	NEWP	CM23N6C144292	2	1	2	2	2	2	2	2	2	1	3	1	1	1	1	1	5	3	3	1	2	.1000	VARIES-UNLEADED	2	2
6242	1976	DODG	ASPE	NH29K6B144583	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0320	VARIES-UNLEADED	2	2
6243	1976	DODG	CHAR	XS22N6R273007	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	2	1	.1000	VARIES-REGULAR	2	2
6244	1976	DODG	ASPE	NH41C6F180551	1	2	2	2	2	2	2	2	2	2	3	1	1	1	1	1	5	3	3	1	2	.0280	VARIES-UNLEADED	2	2
6245	1976	DODG	CHAR	XS22K6R221109	2	1	1	2	2	1	1	2	2	3	3	3	3	2	30	1	5	3	3	1	2	.0110	VARIES-UNLEADED	2	2
6246	1976	DODG	DART	LL41G6F102958	2	2	2	2	2	2	2	2	1	1	3	3	3	2	0	1	5	4	2	1	2	.0220	UNION 76-UNLEADED	2	2

LISTING OF TEST VEHICLE MAINTENANCE DATA

PHOENIX

					PERFORMANCE PROBS																									
VEH	YEAR	MAKE	MODL	VEHICLE IDENT	A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MNT	M
6247	1976	DODG	DART	LL41C6F113402	2	2	2	2	1	2	2	2	2	1	3	2	3	3	30	1	1	1	1	1	2	.0100	VARIES-UNLEADED	2	2
6248	1976	FORD	LTD	6J62S136836	2	2	2	2	2	2	2	2	1	1	3	2	1	1	1	1	4	4	2	1	2	.0100	SHELL-UNLEADED	2	2
6249	1976	FORD	ELIT	6G21H218642	2	2	2	2	2	2	2	2	1	1	3	2	1	1	1	1	2	2	2	1	2	.0170	VICKERS UNLEADED	2	2
6250	1976	FORD	MAVE	6K91L136311	2	1	2	2	2	1	2	2	2	1	3	4	3	2	0	1	5	3	5	1	2	.0180	VARIES-UNLEADED	2	2
6251	1976	FORD	STAW	6J76A172562	2	2	2	2	2	2	2	2	1	1	3	2	1	1	1	1	4	3	4	1	2	.0200	ARCO-UNLEADED	2	2
6252	1976	FORD	STAW	6R12Y152782	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0300	SHELL-UNLEADED	0	2
6253	1976	FORD	GRAN	6W82L292312	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.0140	VARIES-UNLEADED	2	2
6254	1976	FORD	GRAN	6W81F212338	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0150	SHELL-UNLEADED	2	2
6255	1976	FORD	S[illegible]	6X12Y141062	2	2	2	2	2	2	2	2	1	1	4	1	1	1	1	2	4	3	5	1	2	.0270	VARIES-UNLEADED	2	2
6256	1976	FORD	ELIT	6G21H127111	2	2	2	2	2	2	2	2	1	1	3	2	1	1	1	1	4	4	2	1	2	.0330	SHELL-UNLEADED	2	2
6257	1976	FORD	MUST	6F03Z140061	2	2	1	2	2	2	2	2	2	1	3	3	3	5	2	1	5	4	2	1	2	.1000	VARIES-UNLEADED	2	2
6258	1976	FORD	GRAN	6W81L299495	2	2	1	2	2	2	2	2	2	1	3	2	1	1	1	1	2	2	2	1	2	.0150	UNION76-UNLEADED	2	2
6259	1976	FORD	PINT	6X10Y141113	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.0180	GEMCO-UNLEADED	2	2
6260	1976	FORD	STAW	6J76S136481	2	2	2	2	2	1	2	2	2	1	3	2	3	2	2	1	2	2	2	1	2	.0140	SHELL-UNLEADED	2	2
6261	1976	FORD	TORI	6G30H250898	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0090	VARIES-UNLEADED	2	2
6262	1976	FORD	LTD	6J62S154104	2	2	2	2	2	2	2	2	1	1	3	4	3	2	0	1	3	4	2	1	2	.1000	WHITINGS-UNLEADED	2	2
6263	1976	FORD	MUST	6F04Z175519	2	2	2	2	2	2	2	2	1	2	3	2	3	2	2	1	3	3	4	1	2	.0340	CHEVRON-UNLEADED	2	2
6264	1976	FORD	LTD	6J64S175962	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	4	2	1	2	.0420	SHELL-UNLEADED	2	2
6265	1976	FORD	ELIT	6G21H184645	2	2	2	2	2	2	2	2	1	1	3	2	3	2	2	1	2	2	2	1	2	.0280	VARIES-UNLEADED	2	2
6266	1976	FORD	GRAN	6W81F271227	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0090	UNION76-UNLEADED	2	2
6267	1976	FORD	MUST	6R03Y135790	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	3	4	4	2	1	2	.0160	STANDARD-UNLEADED	2	2
6268	1976	LINC	MRK4	6Y89A871998	2	2	2	2	2	2	2	2	1	1	3	2	3	2	0	1	3	4	2	1	2	.0410	TEXACO-UNLEADED	2	2
6269	1976	LINC	MRK4	6Y89A813898	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0230	UNION 76-UNLEADED	2	2
6270	1976	MERC	MONA	6W37F560091	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0180	VARIES-UNLEADED	2	2
6271	1976	MERC	MARQ	6Z62S584239	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	4	3	4	1	2	.0210	UNION 76-UNLEADED	2	2
6272	1976	MERC	MONA	6W35F515815	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	2	2	2	1	2	.0260	TEXACO-UNLEADED	2	2
6273	1976	MERC	MONG	6H10S522535	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0150	CHEVRON-UNLEADED	2	2
6274	1976	MERC	MONA	6W38F500812	2	2	2	1	2	1	2	2	2	1	3	2	1	1	1	1	4	4	2	1	2	.0110	VARIES-UNLEADED	2	2
6275	1976	OLDS	CUTL	3G29R6R169936	2	2	2	2	1	2	2	2	2	1	3	2	3	2	40	1	3	4	2	1	2	.0210	ARCO-UNLEADED	2	2
6276	1976	OLDS	CUTL	3J57R6R151544	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	3	3	1	2	.0160	UNION 76-UNLEADED	2	2
6277	1976	OLDS	OMEG	3B69F6L106786	2	2	2	2	2	2	2	2	1	1	3	2	3	2	45	1	2	2	2	1	2	.0100	TEXACO-UNLEADED	2	2
6278	1976	OLDS	CUTL	3G37F6R137084	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0220	TEXACO-UNLEADED	2	2
6279	1976	OLDS	MNTY	3X39T6M414181	2	2	2	2	2	2	2	2	1	3	3	3	3	3	12	1	4	4	2	1	2	.1000	VARIES-UNLEADED	2	2
6280	1976	OLDS	CUTL	3J57R6R121339	2	2	2	2	2	2	2	2	1	1	3	2	1	1	1	1	2	2	2	1	2	.0230	UNLEADED	2	2
6281	1976	OLDS	STAW	3H35R6R145980	2	2	2	2	2	2	2	2	1	1	3	3	3	3	28	1	3	4	2	1	2	.0090	MOBIL-UNLEADED	2	2
6282	1976	OLDS	CUTL	3M57R6R144725	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	2	2	2	1	2	.0230	UNLEADED	2	2
6283	1976	OLDS	MNTY	3X39T6M342832	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0250	SHELL-UNLEADED	2	2
6284	1976	PLYM	STAW	HH45G6B284803	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	3	4	2	1	2	.0240	VARIES-UNLEADED	2	2
6285	1976	PLYM	VOLA	HH41G6F195709	2	2	2	2	2	1	2	2	2	1	3	2	1	1	1	1	4	3	3	1	2	.0100	EXXON-UNLEADED	2	2
6286	1976	PLYM	FURY	PH41K6D144985	2	2	2	2	2	1	2	2	2	1	6	6	3	6	2	1	2	2	2	1	2	.0200	VICKERS-UNLEADED	2	2
6287	1976	PLYM	STAW	HH45C6B310562	2	2	2	2	2	2	2	2	1	3	3	1	1	1	1	1	5	3	4	1	2	.0110	UNLEADED	0	2
6288	1976	PLYM	STAW	HL45G6B376435	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	3	5	1	2	.0200	VARIES-UNLEADED	2	2
6289	1976	PLYM	VOLA	HP41C6F225467	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	4	4	2	1	2	.0200	UNION 76-UNLEADED	2	2
6290	1976	PLYM	VOLA	HM29C6B319654	2	1	2	2	2	2	2	2	2	3	3	1	1	1	1	1	5	3	3	1	2	.1000	SHELL-UNLEADED	2	2
6291	1976	PONT	STAW	2C15E6U536333	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	3	4	2	1	2	.0120	UNLEADED	2	2
6292	1976	PONT	CATA	2L69N5P322665	2	2	2	2	2	2	2	2	1	1	3	[illegible]	[illegible]	1	1	1	3	4	2	1	2	.0200	UNLEADED	0	2
6293	1976	PONT	LEMA	2G29M6P354621	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	2	1	2	.1000	VARIES-UNLEADED	2	2
6294	1976	PONT	VENT	2Y69F6L105815	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	4	2	1	2	.0150	UNLEADED	2	2
6295	1976	PONT	BONN	2R49Z6P325008	2	2	1	2	2	2	2	2	2	1	1	2	1	1	1	1	5	3	4	1	2	.0100	VARIES-UNLEADED	2	2
6296	1976	PONT	GRNP	2J57P6P162426	2	2	1	2	1	2	2	2	2	1	3	3	3	4	30	1	4	4	2	1	2	.0240	UNION 76-UNLEADED	2	2
6297	1976	PONT	LEMA	2E37M6P339034	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0320	UNION 76-UNLEADED	2	2
6298	1976	PONT	VENT	2Y27D6W128665	2	1	2	1	2	1	2	2	2	2	3	3	3	2	2	1	2	4	2	1	2	.0110	VARIES-UNLEADED	2	2
6299	1976	CAPR	GHIA	GABCRY24532	2	2	2	2	2	2	2	2	1	1	3	4	3	2	0	1	5	3	4	1	2	.0270	SHELL-UNLEADED	2	2
6300	1976	COLT	SEDA	6S23K69503533	1	2	2	2	2	2	2	2	2	2	3	2	3	2	2	1	3	4	2	1	2	.0210	EXXON-UNLEADED	2	2
6301	1976	DATS	B210	HLB210907023	1	2	2	2	2	2	2	2	2	1	3	3	4	2	60	1	2	2	2	2	1	.1000	STANDARD-PREMIUM	0	2
6302	1976	DATS	STAW	JHL710906864	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	2	1	.1000	EXXON-REGULAR	3	2
6303	1976	DATS	B210	HLB210726184	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	1	2	.0230	VARIES-UNLEADED	2	2
6304	1976	FIAT	X1/9	128AS40050676	2	2	2	2	2	2	2	2	1	1	3	3	3	2	40	1	4	4	2	2	1	.1000	SHELL-REGULAR	3	2
6305	1976	FIAT	124	124CS10109416	2	2	2	2	2	2	2	2	1	1	3	2	3	2	50	1	3	4	2	2	1	.1000	PREMIUM	3	2
6306	1976	HOND	CIVI	SBC4022648	2	2	2	2	2	2	2	2	1	1	3	2	1	1	1	1	3	4	2	2	1	.1000	UNLEADED	3	2
6307	1976	HOND	CIVI	SGE2032490	2	2	2	2	2	2	2	2	1	1	3	2	3	2	2	1	4	4	2	2	1	.1000	VARIES-REGULAR	0	2
6308	1976	MAZD	MIZE	STC370510	2	1	2	2	2	2	2	2	2	1	3	4	4	2	2	1	4	3	4	1	2	.0220	UNION 76-UNLEADED	2	2
6309	1976	TOYO	CELI	RA24025365	2	2	2	2	1	2	2	2	2	1	3	2	3	2	20	1	4	3	3	2	1	.1000	FASTGAS-PREMIUM	2	2
6310	1976	TOYO	CORO	TE51500224	2	2	2	2	2	2	2	2	1	1	3	3	3	5	6	1	3	4	2	2	1	.1000	REGULAR	0	2
6311	1976	TOYO	CELI	RA29005205	2	2	2	2	2	2	2	2	1	1	3	4	2	1	1	1	2	2	2	2	1	.1000	VARIES-PREMIUM	0	2
6312	1976	TOYO	STAW	TE38065666	2	2	2	2	2	2	2	2	1	1	3	3	3	2	75	1	3	4	2	2	1	.1000	VARIES-PREMIUM	0	2
6313	1976	VOLK	STAW	3662181531	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	2	1	.1000	STANDARD-REGULAR	3	2
6314	1976	VOLK	RABB	1763094288	2	2	2	2	2	2	2	2	1	1	3	2	3	2	50	1	4	4	2	1	2	.1000	SHELL-UNLEADED	2	2
6315	1976	VOLK	SEDA	1162130698	2	2	2	2	2	2	2	2	1	1	3	2	3	2	2	1	3	4	2	2	1	.1000	REGUALR	0	2
6316	1976	VOLV	264G	VC26465E1033767	2	2	1	2	2	2	2	2	2	1	3	2	3	2	0	1	5	3	3	1	2	.0200	SHELL-UNLEADED	2	2
6710	1976	MERB	300D	11511412031286	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	4	4	6	2	1	N/A	RICHFIELD-DIESEL	3	2
6713	1977	MERB	300D	12313012025603	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	4	6	4	6	2	1	N/A	VARIES-DIESEL2	3	2
6714	1977	MERB	240D	12312312017278	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	4	6	4	6	2	1	N/A	VARIES-DIESEL2	3	2
5052	1975	AMC	STAW	A5A087A248372	1	2	2	2	2	2	2	2	2	1	3	3	3	2	2	1	5	4	2	2	1	.1000	SHELL-REGULAR	0	2
5053	1975	BUIC	CNTY	4H57H5Z122603	2	2	1	2	2	2	2	2	2	1	3	3	3	2	38	1	4	4	2	1	2	.0220	VARIES-UNLEADED	2	2
5054	1975	BUIC	LESA	4P67J5X122841	2	2	2	2	2	2	2	2	1	1	3	3	3	4	40	1	2	2	2	1	2	.0260	EXXON-UNLEADED	2	2
5055	1975	CADI	DEVI	6D49S5G116777	2	2	2	2	2	2	2	2	1	1	3	4	3	3	25	1	3	4	2	1	2	.0150	VARIES-UNLEADED	2	2
5056	1975	CHEV	VEGA	1V77B5U147874	1	2	2	2	2	2	2	2	2	1	4	3	3	5	30	1	3	3	5	1	2	.0280	PHILLIPS66-UNLEAD	2	2
5057	1975	CHEV	MONT	1H57H5R519782	2	2	2	2	2	2	2	2	1	1	3	3	3	4	36	1	2	2	2	1	2	.0240	UNION 76-UNLEADED	0	2
5058	1975	CHEV	IMPA	1L39H5S132751	2	1	2	2	2	2	2	2	2	3	3	5	5	2	2	1	2	2	2	1	2	.0180	UNION76-UNLEADED	0	2

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

PHOENIX

VEH	YEAR	MAKE	MODL	VEHICLE IDENT	PERFORMANCE PROBS A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	FB	FUEL	MNT	M
5059	1975	CHEV	CAPR	1N47U5J115292	2	2	2	2	2	2	2	2	1	1	3	5	5	2	2	2	6	4	2	1	2	.0240	UNLEADED	0	2
5060	1975	CHEV	NOVA	1X27D5L127097	2	2	2	2	2	2	2	2	1	1	3	5	5	2	2	1	4	3	5	1	2	.0280	VARIES-UNLEADED	0	2
5061	1975	CHRY	NEWP	CL23M5C113003	2	2	1	2	2	2	2	2	2	1	3	3	3	2	50	1	5	3	5	1	2	.0400	VARIES-UNLEADED	0	2
5062	1975	DODG	DART	LH23G5B234403	2	2	2	2	2	2	2	2	1	1	3	3	3	5	20	1	4	4	2	2	1	.1000	VARIES-REGULAR	0	2
5063	1975	FORD	STAW	5R12X158621	2	2	2	2	2	2	2	2	1	1	3	4	6	6	2	1	3	4	2	1	2	.0310	VARIES-UNLEADED	2	2
5064	1975	FORD	STAW	5N42H102886	2	2	2	2	2	2	2	2	1	1	3	3	3	3	45	1	1	1	1	1	2	.0210	PASCO-UNLEADED	2	2
5065	1975	FORD	LTD	5J66S111817	2	2	2	2	2	2	2	2	1	1	3	3	3	3	26	1	3	4	2	1	2	.1000	PASCO-UNLEADED	2	2
5066	1975	FORD	GRAN	5W81L259935	2	2	2	2	2	2	2	2	1	1	3	4	4	3	41	1	5	4	2	1	2	.0130	SHELL-UNLEADED	2	2
5067	1975	FORD	GRAN	5W83F107913	1	2	2	2	2	2	2	2	2	1	3	3	3	2	28	1	5	4	2	1	2	.0150	VARIES-UNLEADED	2	2
5068	1975	MERC	MARQ	5Z60A553441	1	2	2	2	1	1	2	2	2	2	3	3	3	4	65	1	3	4	2	1	2	.0190	VARIES-UNLEADED	2	2
5069	1975	OLDS	CUTL	3G37K5M327012	2	2	2	2	2	2	2	2	1	1	3	1	2	2	2	1	4	4	2	1	2	.0230	VARIES-UNLEADED	0	2
5070	1975	OLDS	DELT	3N39T5X108055	2	2	2	2	1	2	2	2	2	1	3	2	5	3	30	1	4	3	5	1	2	.0260	UNION 76-UNLEADED	2	2
5071	1975	PLYM	VALI	VP41C5R170470	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	4	3	5	1	2	.0110	VICKERS-UNLEADED	2	2
5072	1975	PLYM	VALI	VP41G5R155140	2	1	2	2	2	1	2	1	2	1	3	2	3	2	2	1	5	3	5	1	2	.0210	VARIES-UNLEADED	2	2
5073	1975	PONT	STAW	2L45S5X104565	2	2	1	1	1	2	2	2	2	2	3	3	4	2	2	4	2	2	2	1	2	.0210	UNION76-UNLEADED	2	2
5074	1975	PONT	CATA	2L69S5X100399	2	2	2	2	2	2	2	2	1	1	3	2	3	2	2	1	4	4	2	1	2	.0330	EXXON-UNLEADED	2	2
5075	1975	DATS	SEDA	HLB210631575	2	2	2	2	2	2	2	2	1	1	3	3	3	2	28	1	3	4	2	2	1	.1000	VARIES-UNLEADED	3	2
5076	1975	TOYO	CORO	RT105013346	2	2	2	2	1	2	2	2	2	2	3	3	3	2	45	1	2	2	2	2	1	.1000	CHEVRON-REGULAR	3	2
5077	1975	TOYO	CORO	RT119002806	2	2	2	2	1	2	2	2	2	2	3	3	3	2	30	1	5	3	5	2	1	.1000	VARIES-PREMIUM	3	2
5078	1975	VOLK	RABB	1753184131	2	1	2	2	2	2	2	2	2	3	3	3	3	2	2	1	5	3	3	1	2	.1000	STANDARD-UNLEADED	2	2
5079	1975	VOLK	RABB	1753285460	2	2	2	2	2	1	2	2	2	1	3	4	3	2	40	1	4	3	3	1	2	.0210	PASCO-UNLEADED	2	2
5317	1975	AMC	HORN	A5A057H298844	2	2	2	2	2	2	2	2	1	1	3	4	4	2	40	1	5	3	4	1	2	.0160	VARIES-UNLEADED	0	2
5318	1975	BUIC	LESA	4N69J5X105617	2	2	2	2	2	2	2	2	1	1	3	4	4	2	80	1	3	4	2	1	2	.0000	TEXACO-UNLEADED	2	2
5319	1976	CADI	SEVI	6S69R6Q514521	2	2	2	2	2	2	2	2	1	1	6	1	1	1	1	1	3	4	2	1	2	.0150	SELF-SERVE-UNLEAD	2	2
5320	1975	CHEV	STAW	1V15D5U188233	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	1	4	4	2	1	2	.0150	UNLEADED	0	2
5321	1975	CHEV	CAMA	1S87L5N623950	2	2	2	2	2	2	2	2	1	1	3	3	3	2	75	1	2	2	2	1	2	.0230	VARIES-UNLEADED	2	2
5322	1975	CHEV	NOVA	1Y27G5L124080	2	2	2	2	2	2	2	2	1	1	4	4	5	2	2	1	4	4	2	1	2	.0000	UNLEADED	2	2
5323	1975	CHEV	MONT	1H57H5Z407862	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	1	4	4	2	1	2	.0260	UNION76-UNLEADED	0	2
5324	1975	CHEV	MONT	1H57Y5Z420807	2	2	2	2	2	2	2	2	1	1	3	4	4	3	2	1	5	3	5	1	2	.1000	UNION76-UNLEADED	0	2
5325	1975	DODG	DART	LH41C5B315364	1	2	2	2	2	2	2	2	2	1	4	4	6	6	2	1	3	3	5	1	2	.0240	VARIES-UNLEADED	2	2
5326	1975	FORD	STAW	5R12Z135267	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	1	4	4	2	1	3	.0280	RICHFIELD-UNLEADE	2	2
5327	1975	FORD	LTD	5J63S113123	2	2	2	2	2	2	2	2	1	1	3	3	3	5	10	1	2	2	2	1	2	.1000	VARIES-UNLEADED	2	2
5328	1975	FORD	TORI	5A30H114463	2	2	2	2	2	1	2	2	2	2	3	3	3	4	35	1	3	4	2	1	2	.0260	UNLEADED	0	2
5329	1975	LINC	CONT	5Y82A822009	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	4	2	1	2	.0140	STANDARD-UNLEADED	2	2
5330	1975	MERC	MONA	5W38F536853	2	2	2	2	2	2	2	2	1	1	3	4	5	6	2	1	4	4	2	1	2	.0210	VARIES-UNLEADED	2	2
5331	1975	OLDS	OMEG	3B27H5L112786	2	2	2	2	2	2	2	2	1	1	3	4	4	4	30	1	4	4	2	1	2	.0170	VARIES-UNLEADED	2	2
5332	1975	OLDS	DELT	3N39K5X118366	2	2	2	2	2	2	2	2	1	1	3	3	3	3	30	1	4	4	2	1	2	.0170	CONTINENTAL OIL-	2	2
5333	1975	PLYM	GRNF	PH43K5D113034	2	2	1	2	2	2	2	2	2	1	3	3	3	2	50	1	3	4	2	1	2	.0190	VARIES-UNLEADED	2	2
5334	1975	PONT	LEMA	2G29D5P193102	2	2	2	2	2	2	1	2	2	1	3	4	4	6	2	4	1	1	1	1	2	.1000	VARIES-UNLEADED	2	2
5335	1975	DATS	710	JHL710049159	2	2	2	2	2	2	1	2	2	1	3	3	3	2	30	1	5	4	2	2	1	.1000	VARIES-PREMIUM	0	2
5336	1975	FIAT	124	124CC1027129б	2	2	2	1	2	1	2	2	2	2	3	4	4	2	2	1	5	3	5	2	1	.1000	STANDARD-REGULAR	2	2
5337	1975	HOND	CIVI	3GE1027494	2	2	2	2	2	2	2	2	1	1	3	3	3	2	45	1	4	3	5	2	1	.1000	VARIES-REGULAR	3	2
5338	1975	MAZD	COUP	SN3AV139696	2	2	2	2	2	2	2	2	1	1	3	5	5	6	2	1	5	4	2	1	3	.1000	VARIES-UNLEADED	2	2
5715	1975	MERB	240D	11511712099304	1	2	2	2	2	2	2	2	2	1	3	4	4	2	2	1	3	4	2	2	1	N/A	VARIES-DIESEL	3	2
4080	1974	AMC	MATA	A4A167H386245	2	2	2	2	2	2	1	2	2	1	4	3	3	2	45	1	5	3	5	2	1	N/A	VARIES-LEADED	0	2
4081	1974	BUIC	ELEC	4X37T4H409960	2	2	2	2	2	2	2	2	1	1	3	5	5	2	2	3	3	4	2	2	1	N/A	SHAMROCK-REGULAR	0	2
4082	1974	CADI	DEVI	6D47R4Q168313	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	5	3	5	2	1	N/A	VARIES-REGULAR	0	2
4083	1974	CHEV	VEGA	1V77A4U136791	2	2	2	2	2	2	1	1	2	1	3	2	4	2	2	1	4	3	5	2	1	N/A	VARIES-REGULAR	0	2
4084	1974	CHEV	MONT	1H57H4K440009	2	2	2	2	2	2	2	2	1	1	3	3	3	3	35	1	2	2	2	2	1	N/A	UNION 76-REGULAR	0	2
4085	1974	CHEV	NOVA	1X69D4L179984	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	3	5	5	2	1	N/A	VARIES-REGULAR	3	2
4086	1974	CHEV	NOVA	1X27H4L118480	2	2	2	2	2	2	2	2	1	1	3	3	4	3	40	1	4	4	2	2	1	N/A	VARIES-UNLEADED	0	2
4087	1974	CHEV	IMPA	1L69H4S218049	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	3	4	2	2	1	N/A	VARIES-REGULAR	3	2
4088	1974	CHEV	CAPR	1N69U4C101277	2	2	2	2	2	2	2	2	1	2	3	4	3	3	2	1	3	3	5	2	1	N/A	SHELL-REGULAR	0	2
4089	1974	CHRY	STAW	CP46T4D169808	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	4	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
4090	1974	DODG	MONA	DH41K4D113850	2	2	1	2	2	2	2	2	2	1	3	4	4	3	40	1	1	1	1	2	1	N/A	VICKERS-PREMIUM	0	2
4091	1974	FORD	PINT	4T11X260016	2	2	2	2	2	2	2	2	1	1	3	4	3	3	60	1	2	2	2	2	1	N/A	[illegible]-REGULAR	3	2
4092	1974	FORD	MAVE	4K91F137734	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
4093	1974	FORD	MAVE	4K91L179279	2	2	2	2	2	2	2	2	1	1	3	4	3	4	2	1	5	2	2	2	1	N/A	VARIES-REGULAR	3	2
4094	1974	FORD	LTD	4G53S120178	2	2	2	2	2	2	2	1	2	1	3	3	3	3	2	1	6	4	6	2	1	N/A	STANDARD-PREMIUM	3	2
4095	1974	FORD	LTD	4G63H160393	2	2	2	2	2	2	2	2	1	1	3	4	5	2	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	0	2
4096	1974	MERC	COME	4K31F527891	2	2	2	2	2	2	2	2	1	1	3	3	3	2	60	1	2	2	2	2	1	N/A	MOBIL-REGULAR	3	2
4097	1974	OLDS	CUTL	3J57K4R124507	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	1	1	1	2	1	N/A	UNION 76-REGULAR	3	2
4098	1974	OLDS	MNTI	3X30T4M135917	2	2	2	2	2	2	2	2	1	1	3	5	5	5	2	1	3	4	2	2	1	N/A	VARIES-UNLEADED	0	2
4099	1974	PLYM	SATE	RH41G4A141797	2	2	2	2	2	2	2	2	1	2	3	4	4	3	2	2	5	3	5	2	1	N/A	SHELL-REGULAR	3	2
4100	1974	PLYM	DUST	VL29C4G267866	2	2	2	2	2	2	2	2	1	1	3	5	5	6	2	1	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
4101	1974	PONT	LEMA	2D37M4P286884	1	1	2	2	2	2	2	2	2	1	3	4	3	2	75	1	3	3	5	2	1	N/A	SHELL-REGULAR	0	2
4102	1974	DATS	STAW	HL610807590	2	2	2	2	2	2	2	2	1	1	3	3	4	5	2	1	4	4	2	2	1	N/A	VARIES-PREMIUM	0	2
4103	1974	TOYO	CORO	TE21601442	2	2	2	2	2	2	2	2	1	1	3	5	5	2	2	2	1	1	1	2	1	N/A	EXXON-REGULAR	0	2
4104	1974	TOYO	CORO	RT104025698	2	2	2	2	2	2	2	2	1	1	3	3	3	5	10	1	2	2	2	2	1	N/A	VARIES-UNLEADED	3	2
4105	1974	VOLK	SEDA	1142790019	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
4106	1974	VOLK	SEDA	1342409790	1	2	2	2	2	2	2	2	2	2	3	4	4	2	2	1	3	3	5	2	1	N/A	SHELL-REGULAR	3	2
4339	1974	AMC	HORN	A4A037A440403	2	1	2	2	2	2	2	2	2	2	3	3	3	3	15	3	5	3	5	2	1	N/A	VARIES-UNLEADED	3	2
4340	1974	BUIC	REGA	4J29H4Z118675	2	2	2	2	1	2	2	2	2	1	3	6	3	2	2	1	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
4341	1974	BUIC	CNTY	4H29J4Z108109	2	2	2	2	2	2	2	2	1	1	5	3	3	2	2	1	1	1	1	2	1	N/A	EXXON-REGULAR	3	2
4342	1974	CHEV	MALI	1D37H4R495006	2	2	2	2	2	2	2	2	1	2	3	5	3	3	2	1	2	2	2	2	1	N/A	UNLEADED	0	2
4343	1974	CHEV	IMPA	1L69H4J275345	2	2	2	2	2	2	2	2	1	1	3	4	4	2	45	1	4	4	2	2	1	N/A	SHELL-REGULAR	3	2
4344	1974	CHEV	IMPA	1L69H4S190020	2	2	2	2	2	2	2	1	2	1	3	3	3	3	30	1	5	3	5	2	1	N/A	MOBIL-REGULAR	0	2
4345	1974	CHEV	STAW	1L35U4J254621	2	2	2	2	2	2	2	2	1	1	3	3	4	3	30	1	1	1	1	2	1	N/A	EXXON-LEADED	0	2
4346	1974	CHEV	VEGA	1V77B4U422066	2	2	2	2	2	2	2	2	1	2	3	4	3	2	25	3	4	4	2	2	1	N/A	UNLEADED	0	2
4347	1974	DODG	DART	LH41C4R250825	2	1	1	2	2	2	2	2	2	1	3	5	5	6	2	2	3	3	5	2	1	N/A	VARIES-REGULAR	0	2

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

PHOENIX

VEH	YEAR	MAKE	MODL	VEHICLE IDENT	PERFORMANCE PROBS A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMY	M
4348	1974	DODG	DART	LP41G4R224033	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
4349	1974	FORD	TORI	4G21H181681	2	2	2	2	2	2	2	2	1	1	3	3	3	2	50	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
4350	1974	FORD	LTD	4J64S131149	2	2	2	2	2	2	2	2	1	1	3	6	4	4	2	1	2	2	2	2	1	N/A	REGULAR	3	2
4351	1974	FORD	THND	4Y87A120606	2	2	2	1	2	2	2	2	2	1	3	2	3	5	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
4352	1974	FORD	PINT	4T11Y317338	2	2	2	1	2	2	2	2	2	1	3	4	4	5	2	1	3	4	2	2	1	N/A	VARIES-REGULAR	3	2
4353	1974	LINC	CONT	4Y81A642966	2	2	2	2	2	2	2	2	1	1	3	4	3	4	40	1	3	4	2	2	1	N/A	VARIES-REGULAR	3	2
4354	1974	MERC	MONR	4Z56S530247	2	2	1	2	2	2	2	2	2	1	3	3	4	5	10	1	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
4355	1974	OLDS	CUTL	3J57K4R101115	2	2	2	2	2	2	2	2	1	1	3	4	4	3	30	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
4356	1974	PLYM	VALI	VP41G4R313838	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	1	1	1	1	2	1	N/A	EXXON-REGULAR	3	2
4357	1974	PONT	BONN	2N69R4C100780	2	2	2	2	2	2	2	2	1	1	6	6	4	2	2	1	2	2	2	2	1	N/A	UNLEADED	0	2
4358	1974	PONT	FIRE	2S87M4N115879	2	2	2	2	2	2	2	2	1	1	3	3	3	4	35	1	2	2	2	2	1	N/A	REGULAR	3	2
4359	1974	CAPR	COUP	GAECPU26896	2	2	2	2	2	2	2	2	1	1	3	5	3	2	35	1	5	3	5	2	1	N/A	VARIES-REGULAR	3	2
4360	1974	DATS	SEDA	HLB210471614	2	1	2	2	1	2	1	2	2	1	5	4	5	2	35	1	4	3	5	2	1	N/A	STANDARD-REGULAR	3	2
4361	1974	MAZD	RX2	S122A215546	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	3	4	2	2	1	N/A	UNLEADED	0	2
4703	1974	MERB	240D	115117100017623	2	2	2	2	2	2	2	2	1	1	3	3	3	2	2	1	1	1	1	2	1	N/A	ARCO-DIESEL	3	1
4707	1974	MERB	240D	115117100004651	2	2	2	2	2	2	2	2	1	1	3	4	3	4	75	1	3	4	2	2	1	N/A	RICHFIELD-DIESEL	3	2
4711	1974	PEUG	504D	504A901781074	2	2	2	2	2	2	2	2	1	1	3	1	1	1	1	1	3	3	5	2	1	N/A	VARIES-DIESEL2	3	2
4712	1974	MERB	240D	115117120043591	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	4	6	6	6	2	1	N/A	VARIES-DIESEL2	3	2
3107	1973	AMC	GREM	A3A465E224026	2	2	2	2	2	2	1	2	2	1	3	3	3	5	15	1	5	4	2	2	1	N/A	VARIES-REGULAR	3	2
3108	1973	BUIC	RIVI	4Y87U3H438024	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	1	1	1	2	1	N/A	PREMIUM	0	2
3109	1973	BUIC	CNTY	4D37H3Z141078	2	2	2	2	2	2	1	2	2	1	3	4	4	3	36	1	5	4	2	2	1	N/A	VARIES-REGULAR	3	2
3110	1973	CADI	DEVI	6D47R3Q120256	2	2	2	2	2	2	2	2	1	1	3	4	5	2	20	1	2	2	2	2	1	N/A	VARIES-REGULAR	0	2
3111	1973	CHEV	VEGA	1V77B3U120468	1	2	2	2	2	2	2	2	2	1	3	3	3	5	2	1	2	4	2	2	1	N/A	VARIES-REGULAR	3	2
3112	1973	CHEV	NOVA	1Y27H3L226218	2	2	2	2	2	2	2	2	1	1	3	5	5	3	25	2	2	2	2	2	1	N/A	MOBIL-REGULAR	3	2
3113	1973	CHEV	NOVA	1Y27H3L245259	2	2	2	2	2	2	2	2	1	1	3	4	3	5	20	1	5	4	2	2	1	N/A	REGULAR	0	2
3114	1973	CHEV	IMPA	1L39H3C162319	2	2	2	2	2	2	2	2	1	1	3	3	3	3	25	1	2	2	2	2	1	N/A	SHELL-REGULAR	3	2
3115	1973	CHEV	IMPA	1L69H3C194435	2	2	2	2	2	2	2	2	1	1	3	4	4	2	2	1	2	2	2	2	1	N/A	CHEVRON-REGULAR	3	2
3116	1973	DODG	DART	LH41C3R229849	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	2	2	2	2	1	N/A	UNION76-REGULAR	3	2
3117	1973	FORD	STAW	3X12X141602	2	2	2	2	2	1	2	2	2	1	3	3	3	5	5	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
3118	1973	FORD	TORI	3A30H260202	2	2	2	2	2	2	2	2	1	1	4	3	3	5	1	1	1	1	1	2	1	N/A	UNION76-REGULAR	3	2
3119	1973	FORD	MAVE	3K91F245481	2	2	2	2	2	2	2	2	1	1	3	4	3	3	35	1	3	4	2	2	1	N/A	VARIES-REGULAR	0	2
3120	1973	FORD	GALA	3J56H151159	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	5	4	2	2	1	N/A	EXXON-REGULAR	3	2
3121	1973	FORD	LTD	3J63S217904	2	2	2	2	2	2	2	2	1	1	3	4	4	3	2	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
3122	1973	MERC	MONR	3B44S512637	2	2	2	2	2	2	2	2	1	1	3	3	3	3	70	1	2	2	2	2	1	N/A	PREMIUM	0	2
3123	1973	OLDS	STAW	3R45T3X102054	2	2	1	2	2	2	2	2	2	1	3	3	3	3	2	1	2	2	2	2	1	N/A	STANDARD-PREMIUM	3	2
3124	1973	OLDS	CUTL	3J29K3R143363	2	2	2	2	2	2	2	2	1	1	3	4	5	3	2	3	3	4	2	2	1	N/A	VARIES-REGULAR	3	2
3125	1973	PLYM	SATE	RH41G3G158528	2	2	2	2	2	2	2	2	1	1	3	4	5	3	2	1	1	1	1	2	1	N/A	CHEVRON-REGULAR	3	2
3126	1973	PLYM	DUST	VL29C3R201883	2	1	2	2	2	2	2	2	2	1	3	4	3	3	50	1	2	2	2	2	1	N/A	REGULAR	0	2
3127	1973	PONT	BONN	2N69R3C117006	2	2	2	2	1	2	2	2	2	1	3	5	4	2	40	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
3128	1973	PONT	CATA	2L69N3P122342	2	2	2	2	2	2	2	2	1	1	3	3	3	3	50	1	2	2	2	2	1	N/A	PREMIUM	3	2
3129	1973	DATS	PICK	PL620268760	2	2	2	2	1	2	2	2	2	1	3	3	3	2	2	1	3	4	2	2	1	N/A	EXXON-PREMIUM	0	2
3130	1973	OPEL	MANT	OL77MC9764387	2	2	2	2	2	2	1	2	2	1	3	3	3	3	35	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
3131	1973	TOYO	CARI	TA1270722	2	2	2	2	2	2	2	2	1	1	3	4	4	3	3	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
3132	1973	VOLK	SEDA	4232068687	2	2	2	2	2	2	2	2	1	2	3	3	3	3	35	1	5	4	2	2	1	N/A	VARIES-PREMIUM	3	2
3133	1973	VOLK	SEDA	1333001030	1	2	2	2	2	2	2	1	2	2	3	4	3	5	12	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
3362	1973	BUIC	CNTY	4D37H3H136143	2	2	2	2	1	1	2	2	2	3	4	4	5	4	2	2	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
3363	1973	BUIC	ELEC	4V39T3H498870	2	2	2	2	2	2	2	2	1	1	3	3	3	2	50	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
3364	1973	CHEV	STAW	1L35R3C100789	1	1	1	1	1	1	1	2	2	1	3	3	3	5	20	1	1	1	1	2	1	N/A	EXXON-REGULAR	0	2
3365	1973	CHEV	STAW	1V15B3U320403	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	2	2	2	2	1	N/A	ARCO-REGULAR	3	2
3366	1973	CHEV	CAMA	1Q87H3N103709	2	2	2	2	2	1	2	2	2	1	4	4	4	3	5	1	1	1	1	2	1	N/A	EXXON-REGULAR	3	2
3367	1973	CHEV	IMPA	1L39H3C222436	2	2	2	2	2	2	2	2	1	1	3	3	3	3	8	1	1	1	1	2	1	N/A	VARIES-UNLEADED	3	2
3368	1973	CHEV	NOVA	1Y27F3L120350	2	1	2	2	2	2	2	2	2	1	3	4	3	5	40	1	2	2	2	2	1	N/A	EXXON-REGULAR	3	2
3369	1973	CHEV	STAW	1L35X3C190066	2	2	2	2	2	2	2	1	2	1	3	4	4	5	10	3	4	3	5	2	1	N/A	VARIES-PREMIUM	3	2
3370	1973	CHRY	NEWP	CM43M3C169253	2	2	2	2	2	2	2	2	1	1	3	2	3	2	65	1	3	4	2	2	1	N/A	VARIES-PREMIUM	3	2
3371	1973	DODG	CHAR	WM23G3G236543	2	2	2	2	2	2	1	2	2	1	3	3	3	5	3	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
3372	1973	DODG	POLA	DM43K3D305557	1	2	2	2	2	2	2	2	2	1	3	3	3	5	2	1	3	4	2	2	1	N/A	VARIES-REGULAR	3	2
3373	1973	FORD	PINT	3R11X119348	2	2	2	2	2	2	2	2	1	1	3	6	6	6	2	4	1	1	1	2	1	N/A	VARIES-REGULAR	0	2
3374	1973	FORD	TORI	3H30H105948	2	2	2	2	2	2	2	2	1	1	4	4	3	3	60	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
3375	1973	FORD	LTD	3J66S195846	2	2	2	2	2	2	2	2	1	1	3	4	3	4	3	3	4	3	5	2	1	N/A	GEMCO-REGULAR	3	2
3376	1973	FORD	LTD	3J66A151770	2	2	2	2	2	2	2	2	1	1	3	3	3	5	6	1	3	4	2	2	1	N/A	PREMIUM	0	2
3377	1973	MERC	MONG	3H04F621083	2	1	2	2	2	2	2	2	2	1	3	3	3	2	2	1	5	4	2	2	1	N/A	VARIES-REGULAR	3	2
3378	1973	OLDS	CUTL	3J57M3R196860	2	2	2	2	2	1	2	2	2	1	3	3	3	3	23	1	3	4	2	2	1	N/A	STANDARD-REGULAR	3	2
3379	1973	OLDS	DELT	3L39T3M120881	2	1	1	2	2	1	2	2	2	1	3	4	3	3	3	4	2	4	2	2	1	N/A	GEMCO-REGULAR	3	2
3380	1973	PLYM	SATE	RM23G3G105853	1	1	2	2	2	2	2	2	2	1	3	3	3	3	15	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
3381	1973	PONT	LEMA	2D37M3Z113582	2	2	2	2	2	2	2	2	1	1	3	4	5	2	37	1	4	2	2	2	1	N/A	EXXON-REGULAR	3	2
3382	1973	PONT	BONN	2N39R3C100409	2	2	2	2	2	2	2	2	1	1	4	4	4	2	2	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
3383	1973	CAPR	COUP	GAECMS04738	2	1	2	2	2	1	2	2	2	1	3	2	3	2	45	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
3384	1973	MAZD	STAW	S124W118093	2	2	2	1	2	2	2	2	2	1	3	4	5	2	2	1	5	3	5	2	1	N/A	VARIES-REGULAR	3	2
3708	1973	MERB	220D	115110123380877	2	2	2	2	2	2	2	2	1	1	3	2	3	2	130	1	4	4	2	2	1	N/A	ARCO-DIESEL	3	2
2134	1972	AMC	GREM	A2A465A162530	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	3	4	2	2	1	N/A	REGULAR-EXXON	3	2
2135	1972	BUIC	RIVI	4Y87U2H910251	1	2	2	2	2	2	2	2	2	1	3	3	3	5	10	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
2136	1972	CADI	DEVI	6D49R2Q200070	2	2	1	2	2	2	2	2	2	2	3	3	3	4	34	2	3	4	2	2	1	N/A	UNION 76-REGULAR	3	2
2137	1972	CHEV	STAW	1V15B2U256241	2	2	2	2	2	2	1	2	2	3	3	3	3	2	30	1	3	3	3	2	1	N/A	VARIES-PREMIUM	3	2
2138	1972	CHEV	MALI	1D69H2R560051	2	2	2	2	2	2	2	2	1	1	3	4	4	3	35	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
2139	1972	CHEV	MONT	1H57H2R569974	2	2	2	2	2	2	2	2	1	1	4	4	3	3	2	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
2140	1972	CHEV	NOVA	1X27F2L137092	2	2	2	2	2	2	2	2	1	1	3	4	4	3	30	1	5	4	2	2	1	N/A	UNLEADED	3	2
2141	1972	CHEV	IMPA	1M47H2J204142	2	1	2	2	2	1	2	2	2	1	3	4	4	6	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
2142	1972	CHEV	IMPA	1M39R2J152817	2	2	2	2	2	2	1	1	2	1	3	4	3	5	2	1	1	1	1	2	1	N/A	WHITING BROS-REG	3	2
2143	1972	DODG	DART	LH23G2B166004	2	2	2	2	2	2	2	2	1	1	3	5	5	5	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
2144	1972	FORD	PINT	2X10X345655	1	2	1	2	2	2	2	2	2	1	3	3	3	5	2	1	5	4	2	2	1	N/A	EXXON-REGULAR	3	2

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

PHOENIX

					PERFORMANCE PROBS																								
VEH	YEAR	MAKE	MODL	VEHICLE IDENT	A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMT	M
2145	1972	FORD	STAW	2B42H206277	2	2	2	2	2	1	2	2	2	1	3	4	3	2	30	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
2146	1972	FORD	MAVE	2K91T196042	2	2	2	2	2	2	1	2	2	1	3	4	4	2	25	3	4	4	2	2	1	N/A	MCKEE-REGULAR	3	2
2147	1972	FORD	LTD	2J62H150267	2	2	2	1	2	2	2	2	2	1	4	4	5	5	30	2	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
2148	1972	FORD	LTD	2W63S162554	2	2	2	2	2	2	2	2	1	1	3	4	3	2	35	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
2149	1972	MERC	MONR	2Z44S550190	2	2	2	2	2	2	1	2	2	1	3	4	3	2	30	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
2150	1972	OLDS	CUTL	3G69H2Z116649	2	2	2	2	2	2	2	2	1	3	3	3	3	3	2	1	2	2	2	2	1	N/A	EXXON-REGULAR	3	2
2151	1972	PLYM	DUST	VL29C2B313084	2	2	2	2	2	2	2	2	1	1	3	4	4	6	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
2152	1972	PLYM	FRY3	PH43K2D239891	2	2	2	2	2	2	1	2	2	1	3	3	3	5	2	1	3	3	5	2	1	N/A	PASS GAS-REGULAR	3	2
2153	1972	PONT	FIRE	2U87T2N501580	2	2	2	2	2	2	2	2	1	1	3	5	3	5	2	1	3	4	2	2	1	N/A	VARIES-REGULAR	3	2
2154	1972	PONT	LEMA	2D37M2P127535	2	2	2	2	2	2	2	1	2	1	4	4	3	4	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
2155	1972	DATS	STAW	PL510968095	2	2	2	2	2	1	2	2	2	2	6	3	3	5	2	1	1	1	1	2	1	N/A	PASCO-REGULAR	3	2
2156	1972	TOYO	CORO	RT63004444	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
2157	1972	VOLK	SEDA	1122035074	2	2	2	2	2	2	2	2	1	1	3	2	3	2	28	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
2158	1972	VOLK	STAW	4622011535	2	2	1	2	2	2	2	2	2	2	3	3	3	2	35	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
2385	1972	BUIC	SKYL	4D69H2Z112452	2	2	2	2	1	1	2	2	2	1	3	4	3	4	125	1	4	4	2	2	1	N/A	UNION 76-REGULAR	3	2
2386	1972	BUIC	STAW	4R45T2C114929	2	2	2	2	2	2	2	2	1	1	3	3	3	5	20	1	1	1	1	2	1	N/A	WHITING BROS-UNL	3	2
2387	1972	CHEV	VEGA	1V77B2U244331	2	1	1	2	2	2	2	2	2	2	3	5	5	3	40	1	5	4	2	2	1	N/A	TEXACO-REGULAR	3	2
2388	1972	CHEV	CHEL	1C37F2R602568	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
2389	1972	CHEV	IMPA	1M47H2S170156	2	2	2	2	2	2	2	2	1	1	3	6	3	2	2	1	1	1	1	2	1	N/A	SHELL-REGULAR	3	2
2390	1972	CHEV	IMPA	1M47H2C171329	2	2	2	2	2	2	2	2	1	2	3	3	4	3	40	1	5	4	2	2	1	N/A	SHELL-PREMIUM	3	2
2391	1972	CHEV	STAW	1M35R2C110933	2	1	2	2	2	1	2	2	2	2	3	6	3	6	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
2392	1972	CHRY	NEWP	CM41M2C125953	2	2	2	2	2	2	2	2	1	1	3	4	3	2	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
2393	1972	DODG	DART	LL23C2R295573	2	2	2	2	2	2	2	2	1	1	3	3	6	6	2	1	5	4	2	2	1	N/A	SHELL-REGULAR	3	2
2394	1972	FORD	PINT	2R11X163364	2	2	2	2	2	2	1	2	2	1	3	3	3	3	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
2395	1972	FORD	TORI	2B35F197749	2	2	1	2	2	2	2	2	2	2	3	4	3	5	2	1	3	4	2	2	1	N/A	EXXON-PREMIUM	3	2
2396	1972	FORD	TORI	2A30H244849	2	2	2	2	2	2	2	2	1	1	3	3	3	4	75	1	5	4	2	2	1	N/A	VARIES-REGULAR	3	2
2397	1972	FORD	LTD	2J68N163375	2	2	2	2	2	2	2	2	1	1	3	4	3	2	65	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
2398	1972	LINC	MRK4	2Y89A869466	2	2	2	2	2	2	2	2	1	2	6	6	6	6	2	4	1	1	1	2	1	N/A	VARIES-PREMIUM	3	3
2399	1972	MERC	MARQ	2Z62M620736	2	2	2	2	2	2	2	2	1	1	3	4	5	6	2	1	5	4	2	2	1	N/A	VARIES-REGULAR	3	2
2400	1972	OLDS	CUTL	3J57K2Z101533	1	2	2	2	2	2	2	2	2	1	3	4	3	3	2	1	1	1	1	2	1	N/A	REGUALAR	0	2
2401	1972	OLDS	ROYA	3N67T2M436657	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	1	2	2	2	2	1	N/A	EXXON-REGULAR	0	2
2402	1972	PLYM	DUST	VL29G2B246504	2	2	2	2	2	2	2	2	1	1	3	4	3	3	30	1	2	2	2	2	1	N/A	SHELL-REGULAR	3	2
2403	1972	PONT	STAW	2N45V2X328750	2	2	2	2	2	2	2	2	1	1	3	5	3	6	2	1	2	2	2	2	1	N/A	ESSO-REGULAR	3	2
2404	1972	CAPR	COUP	GAECLT59205	2	2	2	2	2	2	2	2	1	1	3	3	3	4	30	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
1159	1971	BUIC	ELEC	484391H469986	2	2	2	2	2	2	2	2	1	1	3	4	3	2	80	1	4	4	5	2	1	N/A	VARIES-REGULAR	0	2
1160	1971	BUIC	SKYL	433271Z104572	2	2	2	2	2	2	2	2	1	1	3	3	3	5	40	1	2	2	2	2	1	N/A	FASGAS-PREMIUM	3	2
1161	1971	CHEV	VEGA	141771U166685	1	2	2	2	2	2	1	2	2	2	3	4	4	5	2	1	5	3	5	2	1	N/A	VARIES-REGULAR	3	2
1162	1971	CHEV	MALI	136371L124289	2	2	2	2	2	2	2	2	1	1	3	4	3	5	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
1163	1971	CHEV	CAMA	124871N525493	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	5	4	2	2	1	N/A	VARIES-REGULAR	3	2
1164	1971	CHEV	IMPA	164571C113869	2	2	2	2	2	2	2	2	1	1	3	4	5	2	20	1	1	1	1	2	1	N/A	REGULAR	0	2
1165	1971	CHEV	BELA	1566910113073	2	2	2	2	2	2	2	1	2	1	3	4	5	3	32	1	1	1	1	2	1	N/A	UNION 76-REGULAR	3	2
1166	1971	CHRY	NEWP	CS23T1C111660	2	2	2	2	2	2	2	2	1	1	3	4	3	3	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
1167	1971	DODG	CORO	WH41G1E142909	2	2	2	2	2	2	2	2	1	1	3	3	3	3	40	1	3	4	2	2	1	N/A	REGULAR	0	2
1168	1971	FORD	PINT	1X10X320907	2	2	1	1	2	2	1	2	2	2	3	3	3	3	20	1	5	4	5	2	1	N/A	VARIES-REGULAR	0	2
1169	1971	FORD	TORI	1A25F116498	2	2	1	2	1	1	2	2	2	1	3	4	3	5	20	1	4	4	2	2	1	N/A	VARIOUS-REGULAR	3	2
1170	1971	FORD	MUST	1F02L183479	2	2	2	2	2	2	2	2	1	1	3	4	4	5	2	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
1171	1971	FORD	GALA	1E56H154558	1	2	2	2	2	1	2	2	2	1	3	3	3	5	20	1	1	1	1	2	1	N/A	VICKERS-PREMIUM	3	2
1172	1971	FORD	LTD	1G62S182746	1	2	2	2	2	2	2	2	2	1	3	3	4	5	25	2	1	1	1	2	1	N/A	EXXON-REGULAR	0	2
1173	1971	MERC	COUG	1F93H535502	1	1	1	2	2	2	1	2	2	2	3	6	6	6	2	1	2	2	2	2	1	N/A	EXXON-REGULAR	3	2
1174	1971	OLDS	MNTI	384391M457255	2	2	2	2	2	2	2	2	1	1	3	4	3	3	45	1	1	1	1	2	1	N/A	ARCO-REGULAR	3	2
1175	1971	PLYM	VALI	VH23C1R131432	2	2	2	2	2	1	2	2	2	1	6	6	6	6	2	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
1176	1971	PONT	BONN	262571C304305	2	2	1	2	2	2	2	2	2	2	3	3	3	3	2	1	1	1	1	2	1	N/A	EXXON-REGULAR	3	2
1177	1971	PONT	LEMA	2353712110257	2	2	2	2	2	1	2	1	2	1	3	3	3	5	12	1	2	2	2	2	1	N/A	SHELL-REGULAR	3	2
1178	1971	DATS	STAW	PL510902880	2	2	2	2	2	2	2	2	1	1	3	6	3	2	30	3	1	1	1	2	1	N/A	EXXON-PREMIUM	3	2
1179	1971	TOYO	CORO	KE20043841	2	2	2	2	2	2	2	2	1	1	3	3	3	5	15	1	2	2	2	2	1	N/A	VARIES-PREMIUM	3	2
1180	1971	VOLK	SEDA	1112884751	2	2	2	2	2	2	2	2	1	1	3	3	3	3	21	1	3	3	5	2	1	N/A	STANDARD-PREMIUM	3	3
1405	1971	AMC	AMBA	A1A857N244571	2	2	2	2	2	2	2	2	1	1	3	2	3	5	2	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
1406	1971	BUIC	STAW	460451C106750	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	6	4	6	2	1	N/A	ARCO-PREMIUM	3	2
1407	1971	CADI	DEVI	683491Q144908	2	2	2	2	2	2	2	2	1	1	3	2	3	5	2	1	4	4	2	2	1	N/A	PASCO-REGULAR	3	2
1408	1971	CHEV	CHEL	136371L166353	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	1	1	1	2	1	N/A	SHELL-PREMIUM	3	2
1409	1971	CHEV	MALI	136371B138470	2	2	2	2	2	2	2	2	1	1	3	4	4	5	15	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
1410	1971	CHEV	MALI	136371L181870	2	2	2	2	2	2	2	2	1	1	3	5	3	2	2	1	5	4	2	2	1	N/A	VARIES-REGULAR	3	2
1411	1971	CHEV	IMPA	164391C117007	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
1412	1971	DODG	DART	LL29C1B125839	2	2	2	2	2	2	2	2	1	1	3	4	3	3	30	1	3	4	2	2	1	N/A	VARIES-REGULAR	3	2
1413	1971	FORD	STAW	1A401F20628	2	2	2	2	2	2	2	2	1	1	3	4	4	3	30	2	4	4	5	2	1	N/A	VARIES-REGULAR	3	2
1414	1971	FORD	TORI	1A34H263099	2	2	1	2	1	1	2	2	2	2	4	3	3	5	2	1	4	4	2	2	1	N/A	REGULAR	0	2
1415	1971	FORD	GALA	1J56H124048	2	1	2	2	2	2	2	2	2	1	3	3	3	5	12	1	2	2	2	2	1	N/A	CHEVRON-REGULAR	3	2
1416	1971	MERC	STAW	1Z72S606772	2	2	2	2	2	2	2	2	1	1	3	4	3	3	13	1	2	4	2	2	1	N/A	STANDARD-PREMIUM	3	2
1417	1971	OLDS	STAW	336691Z112105	2	2	2	2	2	2	2	1	2	1	3	3	3	5	20	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
1418	1971	OLDS	CUTL	336871Z11252	2	2	2	2	2	2	2	2	1	1	4	3	3	3	2	1	2	4	2	2	1	N/A	MOBIL-REGULAR	3	2
1419	1971	PLYM	VALI	VL41G1B264943	2	1	2	2	2	2	1	2	2	1	3	4	3	2	35	1	1	1	1	2	1	N/A	VICKERS-REGULAR	3	2
1420	1971	PLYM	FRY3	PM43K1F205499	2	2	2	2	2	2	2	1	2	1	3	4	4	5	15	1	4	4	2	2	1	N/A	VARIES-REGULAR	0	1
1421	1971	PONT	VENT	213691W262058	2	2	2	2	2	2	1	2	2	1	3	4	4	3	2	1	2	2	2	2	1	N/A	SHELL-REGULAR	3	2
1422	1971	VOLK	SEDA	1512863727	2	2	2	2	2	2	2	2	1	1	3	4	3	3	20	1	3	4	2	2	1	N/A	VARIES-PREMIUM	3	2
1720	1971	MERB	220D	11511010146915	2	2	2	2	2	2	2	2	1	1	3	5	4	6	2	1	2	2	2	2	1	N/A	VARIES-DIESEL	3	2
0181	1970	AMC	HORN	0A060E324923	1	2	1	2	2	2	1	2	2	1	4	4	5	3	35	1	5	3	5	2	1	N/A	SHELL-REGULAR	3	2
0182	1970	BUIC	WILD	466390C114541	2	2	2	2	2	2	2	2	1	1	3	4	3	3	2	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
0183	1970	CHEV	NOVA	114690W280052	2	2	2	1	2	2	2	2	2	1	4	6	6	6	2	4	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
0184	1970	CHEV	MALI	136370R265425	1	2	2	2	2	2	2	2	2	1	3	4	4	5	40	2	3	4	2	2	1	N/A	UNION 76-REGULAR	0	2
0185	1970	CHEV	MALI	136370L173840	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	4	3	5	2	1	N/A	UNION 76-PREMIUM	[illegible]	[illegible]

LISTING OF TEST VEHICLE MAINTENANCE DATA

PHOENIX

VEH	YEAR	MAKE	MODL	VEHICLE IDENT	PERFORMANCE PROBS A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMT	M
0186	1970	CHEV	IMPA	164470S163940	2	1	2	2	2	1	2	1	2	1	3	3	3	5	15	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
0187	1970	CHEV	IMPA	164470C166994	2	2	2	2	2	2	2	2	1	1	3	4	3	5	2	1	3	4	2	2	1	N/A	SHELL-REGULAR	3	2
0138	1970	DODG	CORO	WL21C0G247447	2	2	2	2	2	2	2	2	1	1	3	3	3	5	30	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
0189	1970	FORD	MUST	0F01F150261	2	2	2	2	2	2	2	2	1	1	3	4	4	5	2	1	5	4	2	2	1	N/A	EXXON-REGULAR	0	2
0190	1970	FORD	TORI	0A31F180377	2	2	2	2	2	2	2	2	1	1	3	4	3	5	2	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
0191	1970	FORD	GALA	0J56H191440	2	2	2	2	2	2	2	2	1	1	3	4	4	3	45	1	2	2	2	2	1	N/A	ARCO-REGULAR	3	2
0192	1970	FORD	GALA	0J55H162972	2	2	2	1	1	1	2	2	2	2	3	3	3	5	100	1	1	1	1	2	1	N/A	CONOCO-PREMIUM	0	2
0193	1970	MERC	STAW	0Z76Y519999	1	2	2	2	2	2	2	2	2	1	3	6	3	3	45	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
0194	1970	OLDS	CUTL	342570Z132765	2	2	2	2	2	2	2	2	1	1	3	4	3	3	44	1	5	4	2	2	1	N/A	SHELL-PREMIUM	0	2
0195	1970	PLYM	STAW	PL45L0D281234	2	2	2	2	2	2	2	2	1	1	3	4	4	3	2	1	2	2	2	2	1	N/A	VARIES-PREMIUM	3	2
0196	1970	PLYM	DUST	VL29G0B217396	1	2	1	2	2	2	2	2	2	2	3	2	3	5	2	1	4	4	2	2	1	N/A	SHELL-REGULAR	3	2
0197	1970	PONT	FIRE	224870L102586	2	2	2	2	2	2	2	2	1	1	3	4	5	6	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
0198	1970	DATS	510	PL510101029	1	2	2	2	2	2	2	2	2	1	3	4	4	2	35	1	3	4	2	2	1	N/A	TEXACO-REGULAR	3	2
0199	1970	TOYO	CORO	RT43220674	2	2	2	2	2	2	2	2	1	1	3	3	3	4	35	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
0200	1970	VOLK	KARM	1402203998	2	2	2	2	2	2	2	2	1	1	3	3	3	3	28	1	5	4	2	2	1	N/A	VARIES-PREMIUM	3	2
0423	1970	BUIC	SKYL	444370Z105516	2	2	2	2	2	2	2	2	1	1	3	3	3	3	2	1	4	4	2	2	1	N/A	VARIES-PREMIUM	3	2
0424	1970	BUIC	LESA	454390C102389	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	4	1	1	1	2	1	N/A	ARCO-PREMIUM	3	2
0425	1970	CADI	DEVI	J0156480	2	2	2	2	2	2	2	2	1	1	3	4	4	2	50	3	1	1	1	2	1	N/A	SHELL-REGULAR	3	2
0426	1970	CHEV	MALI	136370L190381	2	2	2	2	2	2	2	2	1	1	3	4	4	5	2	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
0427	1970	CHEV	MONT	138570F131310	2	2	2	2	2	2	2	2	1	1	3	3	3	5	10	1	4	4	5	2	1	N/A	VARIES-REGULAR	3	2
0428	1970	CHEV	IMPA	164690J207075	1	2	2	2	2	2	2	2	2	1	3	4	4	6	2	1	4	4	2	2	1	N/A	SHELL-PREMIUM	3	2
0429	1970	CHRY	NEWP	CE41L0C150750	2	2	2	2	2	2	2	2	1	1	3	4	4	3	2	1	5	4	2	2	1	N/A	VARIES-PREMIUM	3	2
0430	1970	DODG	STAW	WH46G0G217030	2	2	1	2	2	2	2	2	2	1	3	4	3	5	10	1	5	4	2	2	1	N/A	UNLEADED-LEADED	3	2
0431	1970	FORD	MAVE	0X91T189697	2	2	2	2	2	2	2	2	1	1	3	4	4	5	15	1	1	1	1	2	1	N/A	REGULAR	0	2
0432	1970	FORD	STAW	0R42H121536	2	2	2	2	2	2	2	2	1	1	3	4	3	3	28	4	4	4	2	2	1	N/A	VARIES-PREMIUM	3	2
0433	1970	FORD	LTD	0J66Y165461	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	1	1	1	2	1	N/A	SHELL-PREMIUM	3	2
0434	1970	OLDS	CUTL	342570Z123149	2	2	2	2	2	2	2	2	1	1	3	3	3	3	42	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
0435	1970	PLYM	FRY2	PL41G0D118395	2	2	2	2	2	2	2	2	1	1	3	5	5	5	8	3	1	1	1	2	1	N/A	REGULAR	3	2
0436	1970	PONT	GRNP	276570Z120112	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	1	1	1	2	1	N/A	UNION76-PREMIUM	3	2
0437	1970	VOLK	SEDA	1102580434	1	2	2	2	2	2	2	2	2	1	3	4	4	5	2	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
0704	1970	MERB	220D	11511012122903	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	1	1	1	1	2	1	N/A	VARIES-DIESEL	3	2
9438	1969	AMC	AMER	A9A060A261022	2	2	2	2	2	2	2	2	1	1	3	4	4	5	2	1	2	2	2	2	1	N/A	VAIRES-REGULAR	3	2
9439	1969	BUIC	ELEC	482699H278688	2	2	2	2	2	2	2	1	2	1	3	3	3	5	2	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
9440	1969	BUIC	SKYL	444399Z115128	2	2	2	2	2	2	2	2	1	1	3	4	3	3	43	1	1	1	1	2	1	N/A	CHEVRON-REGULAR	3	2
9441	1969	CADI	FLEE	P9251398	1	2	2	2	2	2	2	2	2	1	3	3	4	5	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
9442	1969	CHEV	NOVA	114699W533847	1	1	2	2	2	2	2	2	2	1	3	3	3	5	2	1	3	4	2	2	1	N/A	SHELL-REGULAR	3	2
9443	1969	CHEV	CAPR	166399C044627	1	2	2	2	2	2	2	2	2	1	3	3	3	6	2	1	4	4	2	2	1	N/A	TEXACO-PREMIUM	3	2
9444	1969	CHEV	CHEL	134699K419807	2	2	2	2	2	2	2	2	1	1	3	3	3	4	30	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
9445	1969	CHEV	IMPA	164379L018550	2	2	2	2	2	2	2	2	1	1	3	4	3	5	17	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
9446	1969	CHEV	IMPA	164699S033714	2	2	1	2	2	1	1	2	2	1	3	5	5	5	15	1	3	4	2	2	1	N/A	VARIES-PREMIUM	3	2
9447	1969	CHEV	NOVA	113279W444841	1	2	2	2	2	2	2	2	2	1	3	4	4	5	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
9448	1969	CHEV	IMPA	164399L051137	2	2	2	2	2	2	2	2	1	1	3	4	4	3	25	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
9449	1969	CHRY	NEWP	CE23G9C214756	2	2	2	2	2	2	2	2	1	1	3	3	3	3	35	1	1	1	1	2	1	N/A	ARCO	0	2
9450	1969	DODG	CORO	WH23F9A148128	2	2	2	2	2	2	2	2	1	1	3	3	4	5	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
9451	1969	FORD	MUST	9R01T16765[illegible]	2	2	2	2	2	2	2	2	1	1	3	4	3	3	2	1	6	4	2	[illegible]	1	N/A	CHEVRON-REGULAR	3	2
9452	1969	FORD	GALA	9J56F1689[illegible]	[illegible]	2	2	2	2	2	2	2	1	1	3	5	5	2	2	1	6	4	6	[illegible]	1	N/A	EXXON-PREMIUM	3	2
9453	1969	FORD	TORI	9K42H1047[illegible]	[illegible]	2	1	2	2	2	2	2	2	1	3	3	3	5	15	1	3	3	5	2	1	N/A	VARIES-REGULAR	3	2
9454	1969	FORD	XL	9W61Y1345[illegible]	2	1	2	2	2	2	2	2	2	1	3	4	3	5	2	1	1	1	1	2	1	N/A	GULF-REGULAR	3	2
9455	1969	FORD	STAW	9X12F142323	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
9456	1969	FORD	STAW	9E75N225467	2	2	2	2	2	2	2	2	1	2	6	6	6	6	2	1	6	4	6	2	1	N/A	TEXACO-REGULAR	3	3
9457	1969	MERC	STAW	9Z72Y518236	2	2	2	2	2	2	2	2	1	1	3	3	4	5	2	1	3	4	2	2	1	N/A	VARIES-REGULAR	3	2
9458	1969	OLDS	WNTY	366699M264415	2	2	2	1	2	2	2	2	2	2	6	4	4	3	50	1	2	2	2	2	1	N/A	PHILLIPS 66-REGUL	3	2
9459	1969	OLDS	CUTL	342699M300531	2	2	1	2	2	2	2	2	2	1	4	3	3	5	7	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
9460	1969	PLYM	SATE	RP41F9A308378	2	2	1	2	2	2	2	2	2	1	6	3	3	5	2	1	2	2	2	2	1	N/A	ESSO-REGULAR	3	2
9461	1969	PLYM	VALI	VL41B9E150793	2	2	2	2	2	1	2	2	2	1	3	4	4	3	32	1	1	1	1	2	1	N/A	PASCO-REGULAR	3	2
9462	1969	PONT	STAW	235359B168764	2	2	2	2	2	2	2	2	1	1	3	4	5	5	2	2	3	4	2	2	1	N/A	VARIES-REGULAR	3	2
9463	1969	PONT	BONN	262679C132727	2	2	2	2	2	2	2	2	1	1	3	4	4	3	2	1	3	4	2	2	1	N/A	VARIES-PREMIUM	3	2
9464	1969	PONT	CATA	252379R187127	2	2	2	2	2	2	1	2	2	2	3	4	3	5	2	1	4	4	2	2	1	N/A	VARIES-PREMIUM	3	2
9465	1969	TOYO	CORO	RT43194520	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	4	3	4	2	2	1	N/A	CHEVRON-PREMIUM	3	2
9466	1969	VOLK	SEDA	119331816	2	2	2	2	2	1	2	2	2	2	3	2	3	3	30	1	1	1	1	2	1	N/A	CHEVRON-PREMIUM	3	2
9467	1969	VOLK	SEDA	119490051	2	2	2	2	2	2	2	2	1	1	3	4	4	2	29	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
9705	1969	MERB	220D	11511010033294	2	2	2	2	2	2	2	2	1	1	3	4	4	5	0	1	1	1	1	2	1	N/A	VARIES-DIESEL2	3	2
9719	1969	MERB	220D	11511012053364	1	2	2	2	2	2	2	2	2	1	3	4	3	3	12	1	2	2	2	2	1	N/A	TEXACO-DIESEL2	3	2
8468	1968	AMC	REBE	A8C197S233327	1	2	2	2	2	2	2	2	2	1	6	5	3	4	2	1	2	2	2	2	1	N/A	SHELL-REGULAR	3	2
8469	1965	AMC	CLAS	L222392	2	2	2	2	2	2	2	2	1	3	6	6	6	6	2	4	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8470	1966	AMC	ROGU	AGKP97C100097	2	2	2	2	2	2	2	2	1	1	3	4	3	5	2	2	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8471	1967	BUIC	LESA	454697H325100	2	2	2	2	2	2	2	2	1	1	3	4	3	5	8	1	1	1	1	2	1	N/A	SHELL-REGULAR	3	2
8472	1968	BUIC	ELEC	484398H328704	2	2	2	2	2	2	2	2	1	1	3	4	5	5	12	1	2	2	2	2	1	N/A	VARIES-PREMIUM	3	2
8473	1968	BUIC	SKYL	435378Z118381	2	2	2	2	2	2	2	2	1	1	5	3	3	3	25	1	3	4	5	2	1	N/A	VARIES-REGULAR	3	2
8474	1966	CADI	DEVI	L6254824	2	2	2	2	2	2	2	2	1	1	3	3	3	4	2	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
8475	1967	CHEV	NOVA	117377W115816	2	2	2	2	2	2	2	2	1	1	4	6	5	5	60	1	5	3	5	2	1	N/A	FEDMART-REGULAR	3	2
8476	1967	CHEV	STAW	156357L152057	2	2	2	2	2	2	2	2	1	1	5	3	3	3	40	1	3	4	2	2	1	N/A	SHELL-REGULAR	3	2
8477	1967	CHEV	IMPA	164397D113593	2	2	2	2	2	1	2	2	2	1	3	4	4	5	2	2	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8478	1968	CHEV	IMPA	164878T127014	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	1	1	1	2	1	N/A	SHELL-PREMIUM	3	2
8479	1968	CHEV	IMPA	164358L125809	2	2	2	2	2	2	1	2	2	1	3	4	4	5	20	1	5	4	2	2	1	N/A	VARIES-PREMIUM	3	2
8480	1967	CHEV	STAW	164357L121677	2	2	2	2	2	2	2	2	1	1	3	2	3	5	2	1	1	1	1	2	1	N/A	SHAMROCK-PREMIUM	3	2
8481	1967	CHEV	NOVA	116697W203280	2	2	1	2	2	2	2	2	2	1	3	5	3	3	20	1	3	4	2	2	1	N/A	GULF-REGULAR	3	2
8482	1966	CHEV	MALI	136176Z139175	2	2	1	2	2	2	2	1	2	1	3	3	4	5	15	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
8483	1968	CHEV	MALI	136398K167396	2	2	1	2	1	2	2	2	2	1	3	3	3	3	25	2	6	4	6	2	1	N/A	VARIES-REGULAR	3	2
8484	1968	CHEV	CHEL	134278K158274	2	2	2	2	2	2	2	2	1	2	3	6	6	6	2	1	6	4	6	2	1	N/A	VARIES-PREMIUM	3	2

APPENDIX C CONT'D

LISTING OF TEST VEHICLE MAINTENANCE DATA

PHOENIX

					PERFORMANCE PROBS																							
VEH	YEAR	MAKE	MODL	VEHICLE IDENT	A	B	C	D	E	F	G	H	I	S	O	T	L	U	C	R	W	D	P	V	N	PB	FUEL	MMT	M
8485	1968	CHEV	CAPR	166478L141234	2	2	2	2	2	1	2	2	2	1	3	4	3	5	15	1	3	4	5	2	1	N/A	ENCO-REGULAR	3	2
8486	1968	CHEV	STAW	164458L126462	2	2	2	2	2	2	2	2	1	1	3	3	3	5	20	1	1	1	1	2	1	N/A	SHELL-REGULAR	3	2
8487	1968	CHRY	NEWP	CE41G8C311050	2	2	2	2	2	2	2	2	1	1	3	4	4	5	10	1	4	4	2	2	1	N/A	VARIES-REGULAR	3	2
8488	1968	DODG	DART	LH23D8E166394	2	2	2	2	2	2	2	2	1	1	3	4	4	5	6	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8489	1967	DODG	CORO	WH41F75120086	2	2	2	2	2	2	2	2	1	1	3	6	6	6	2	1	2	2	2	2	1	N/A	ARCO-PREMIUM	3	2
8490	1968	DODG	POLA	DL41G8F233920	2	2	2	2	2	2	2	2	1	1	3	4	4	3	3	3	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8491	1967	FORD	FALC	8K11T160599	2	2	2	2	2	2	2	2	1	1	4	4	3	4	40	1	1	1	1	2	1	N/A	EXXON-REGULAR	3	2
8492	1968	FORD	MUST	8R01C170338	2	2	2	2	2	2	2	2	1	1	3	4	3	5	2	1	3	3	5	2	1	N/A	VARIES-REGULAR	3	2
8493	1968	FORD	FAIR	8K33C130709	1	2	2	2	2	2	2	2	2	2	3	4	3	4	30	2	1	1	1	2	1	N/A	EXXON-REGULAR	3	2
8494	1968	FORD	CUST	8D50F104155	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	1	2	2	2	2	1	N/A	VARIES-REGULAR	3	2
8495	1968	FORD	TORI	8K40F131521	2	2	1	2	2	2	2	2	2	1	3	3	3	4	5	1	5	3	5	2	1	N/A	VARIES-REGULAR	3	2
8496	1966	FORD	STAW	6D72X166224	2	2	2	2	2	2	2	2	1	1	3	3	3	2	8	1	2	2	2	2	1	N/A	MOBIL-REGULAR	3	2
8497	1966	FORD	FALC	6K11T128459	2	2	1	2	2	2	2	2	2	1	3	3	3	5	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8498	1968	FORD	MUST	8R01C155960	2	2	1	2	2	2	2	2	2	1	3	4	5	5	15	2	3	4	2	2	1	N/A	VARIES-REGULAR	3	2
8499	1968	FORD	RANC	8K48C159756	2	2	2	2	2	2	2	2	1	1	3	3	3	5	25	1	2	4	2	2	1	N/A	UNION76	3	2
8500	1967	FORD	STAW	73732130391	1	2	1	2	2	2	2	2	2	2	6	6	6	6	2	3	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8501	1968	FORD	THND	8Y84N134052	2	2	2	2	2	2	2	2	1	1	3	3	3	5	25	2	2	4	2	2	1	N/A	SHELL-PREMIUM	3	2
8502	1965	LINC	CONT	5482W405647	2	2	2	2	2	2	2	2	1	1	3	5	6	6	5	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
8503	1967	MERC	COUG	7F91C525970	2	2	2	2	2	2	2	2	1	1	3	3	3	5	7	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8504	1967	OLDS	CUTL	338677M323605	2	2	2	2	2	2	2	2	1	1	3	3	3	5	12	1	1	1	1	2	1	N/A	GASMOO-PREMIUM	3	2
8505	1965	OLDS	MNTY	384395M236465	1	2	2	1	2	2	2	2	2	2	4	3	3	5	10	1	5	4	5	2	1	N/A	VARIES-ETHYL	3	2
8506	1968	OLDS	CUTL	336698M129126	1	2	2	2	2	2	2	2	2	1	3	3	3	5	2	2	3	4	2	2	1	N/A	VARIES-PREMIUM	3	2
8507	1968	PLYM	SATE	RH23F8E145533	2	2	2	2	2	2	2	2	1	1	3	3	3	3	90	1	2	2	2	2	1	N/A	SHELL-REGULAR	3	2
8508	1968	PLYM	FRY3	PM41F8R140373	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	3	4	2	2	1	N/A	ARCO-REGULAR	3	2
8509	1968	PLYM	FRY3	PM23G8D315199	2	2	1	2	2	2	2	1	2	2	3	5	3	5	2	2	1	1	1	2	1	N/A	GENCO-PREMIUM	3	2
8510	1966	PLYM	SPOR	PS23G62196050	2	2	2	2	2	2	2	2	1	1	3	4	3	5	10	1	1	1	1	2	1	N/A	PASCO-PREMIUM	3	2
8511	1967	PONT	LEMA	237177Z101747	1	2	2	2	2	2	1	2	2	2	3	3	3	5	2	1	1	1	1	2	1	N/A	VARIES-PREMIUM	3	2
8512	1968	PONT	STAW	252458C112958	2	2	2	2	2	2	2	1	2	1	3	4	3	5	2	1	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8513	1968	PONT	STAW	235358P120571	2	2	2	2	2	2	2	2	1	1	3	5	5	2	2	3	2	4	2	2	1	N/A	EXXON-REGULAR	3	2
8514	1968	PONT	CATA	252878E208064	2	2	1	2	2	2	2	2	2	1	4	5	5	6	2	3	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8515	1968	PONT	CATA	252698C113818	2	1	2	2	2	2	2	2	2	1	3	4	4	5	2	3	5	4	2	2	1	N/A	SHELL-PREMIUM	3	2
8516	1968	VOLK	SEDA	118809717	2	2	2	2	2	2	2	2	1	1	6	6	6	6	2	4	1	1	1	2	1	N/A	VARIES-REGULAR	3	2
8517	1966	VOLK	SEDA	366285750	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	2	1	1	1	2	1	N/A	CHEVRON-REGULAR	3	2
8701	1968	MERB	220D	11511010011872	2	2	2	2	2	2	2	2	1	1	3	4	5	2	100	1	1	1	1	2	1	N/A	DIESEL2	3	2
8702	1965	MERB	190D	11010147800	2	2	2	2	2	2	2	2	1	1	3	2	4	4	2	1	1	1	1	2	1	N/A	UNION76-DIESEL	3	2
8706	1967	MERB	SEDA	11011010336904	2	2	2	2	2	2	2	2	1	2	3	3	3	2	2	3	6	4	6	2	1	N/A	VARIES-DIESEL2	3	2
8709	1965	MERB	190D	1099211871	2	2	2	2	2	2	2	2	1	1	6	2	6	6	2	1	6	4	6	2	1	N/A	ARCO-DIESEL	3	2
8716	1967	MERB	200D	11011010311514	2	2	2	2	2	2	2	2	1	1	3	4	4	5	15	1	1	1	1	2	1	N/A	VARIES-DIESEL2	3	2
8717	1967	MERB	200D	11011010326947	2	2	2	2	2	2	2	2	1	1	3	3	3	5	2	1	1	1	1	2	1	N/A	VARIES-DIESEL	3	2
8718	1965	MERB	190D	11011012149445	2	2	2	2	2	2	2	2	1	1	3	4	3	5	3	1	1	1	1	2	1	N/A	WHITING BROS-DIES	3	2

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APPENDIX D - LISTING OF SULFATE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

Legend

VEH. NO.	Vehicle Number
YEAR	Model Year
MAKE	Vehicle Make
MODL	Vehicle Model
CID	Engine Displacement in Cubic Inches
HC	Hydrocarbon Emissions in grams per mile
CO	Carbon Monoxide Emissions in grams per mile
CO_2	Carbon Dioxide Emissions in grams per mile
NOx_c	Oxides of Nitrogen Emissions corrected for humidity in grams per mile
FUEL ECON.	Fuel Economy in miles per gallon, Calculated Using the Carbon Balance Method
H_2SO_4(CORR.)	Mass Emissions of H_2SO_4 corrected to .030 weight Percent Sulfur Fuel in milligrams per mile

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APPENDIX D

LISTING OF SULFATE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH. NO.	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	FUEL ECON.	H_2SO_4 (corr.)
7001	1976	CHEV	C10	350	2.44	70.04	413.7	1.76	16.7	1.1011
7002	1976	CHEV	G10	350	2.10	73.67	453.8	2.37	15.4	1.3687
7003	1976	CHEV	VAN	350	1.17	27.62	462.0	2.04	17.4	0.9724
7004	1976	CHEV	C10	350	1.47	41.56	460.8	2.00	16.7	15.6544
7005	1976	DODG	VAN	225	2.23	86.37	291.8	1.10	20.4	0.2900
7006	1976	DODG	B100	360	3.99	105.44	377.4	1.24	16.0	1.5932
7007	1976	FORD	F100	300	0.49	17.76	430.4	1.77	19.3	5.1276
7008	1976	FORD	F100	390	0.45	28.89	560.6	1.28	14.6	0.6769
7011	1975	CHEV	C10	350	0.82	9.68	512.1	2.06	16.7	0.8940
7012	1975	CHEV	C10	350	0.60	4.05	538.0	2.04	16.2	3.7793
7013	1975	CHEV	VAN	350	0.52	4.87	549.2	2.82	15.9	1.7997
7014	1975	DODG	VAN	318	3.41	40.44	484.1	2.17	15.9	1.3639
7015	1975	FORD	F100	302	0.37	6.39	440.3	0.83	19.7	2.3658
7016	1975	FORD	F100	390	0.49	30.17	628.7	0.71	13.1	1.7458
7017	1975	FORD	E100	351	1.77	80.14	465.0	2.46	14.9	1.1738
6018	1976	AMC	HORN	258	1.58	57.61	376.9	0.95	18.8	0.3184
6019	1976	BUIC	CNTY	350	1.41	47.47	418.0	1.28	17.9	1.0342
6020	1976	BUIC	LESA	350	1.95	71.52	459.2	1.98	15.4	1.3122
6021	1976	CADI	DEVI	500	2.46	49.29	522.4	2.55	14.6	1.7993
6022	1976	CHEV	STAW	350	4.21	121.40	429.2	1.91	14.0	3.8904
6023	1976	CHEV	CHEL	350	1.33	41.58	432.5	1.44	17.7	0.0000
6024	1976	CHEV	STAW	140	1.45	61.90	287.6	1.55	22.8	1.1762
6025	1976	CHEV	MONT	400	1.17	28.83	467.0	2.87	17.2	1.2727
6026	1976	CHEV	MONT	305	3.52	84.09	388.9	1.43	16.7	5.4382
6027	1976	CHEV	NOVA	250	1.96	42.98	359.3	2.74	20.5	0.1603
6028	1976	CHEV	CHET	85	1.88	49.71	216.6	1.30	29.5	3.6340
6030	1976	DODG	STAW	225	4.20	95.99	347.6	1.94	17.3	1.6085
6031	1976	FORD	PINT	140	0.26	1.19	303.3	2.17	29.0	6.4836
6032	1976	FORD	LTD	400	0.48	38.65	538.4	0.91	14.8	0.5999
6033	1976	FORD	ELIT	351	0.49	21.65	555.5	1.29	15.0	3.2159
6034	1976	FORD	GRAN	250	0.49	25.53	561.2	1.17	14.7	4.2894
6035	1976	FORD	GRAN	302	0.59	13.90	446.6	1.44	18.9	2.7566
6036	1976	FORD	STAW	351	0.59	35.17	528.3	0.91	15.2	0.5968
6037	1976	MERC	COUG	400	0.51	34.93	544.9	0.77	14.8	5.6390
6038	1976	MERC	COME	250	0.27	16.68	477.1	0.60	17.6	1.4791
6039	1976	OLDS	CUTL	350	3.27	57.75	399.0	1.47	17.7	16.8102
6040	1976	OLDS	STAW	350	1.74	55.35	454.6	1.03	16.2	0.8811
6041	1976	OLDS	TORO	455	1.50	45.36	556.1	1.48	14.0	1.4655
6042	1976	PLYM	VOLA	225	4.32	85.64	285.8	1.17	20.4	0.4345
6043	1976	PLYM	FURY	318	2.17	38.24	400.6	2.91	19.0	2.9714

EXHAUST EMISSIONS REPORTED IN GRAMS PER MILE

FUEL ECONOMY IN MILES PER GALLON

SULFATE REPORTED IN MILLIGRAMS PER MILE

APPENDIX D CONT'D

LISTING OF SULFATE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH. NO.	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	FUEL ECON.	H_2SO_4 (corr.)
6044	1976	PONT	LEMA	350	2.86	55.26	415.4	4.33	17.4	0.2151
6045	1976	PONT	STAW	400	3.07	68.77	434.4	1.24	16.1	1.0024
6051	1976	VOLK	RABB	97	0.60	25.99	280.1	0.82	27.5	0.7598
5052	1975	AMC	STAW	258	1.41	38.10	409.5	1.57	18.7	0.4357
5053	1975	BUIC	CNTY	350	2.19	71.90	428.6	1.59	16.2	1.5655
5054	1975	BUIC	RIVI	455	1.36	41.26	536.4	1.63	14.7	0.1075
5055	1975	CADI	DEVI	500	3.11	126.86	494.6	1.68	12.6	0.1495
5056	1975	CHEV	VEGA	140	2.04	50.43	239.2	1.49	27.3	0.1988
5057	1975	CHEV	MALI	350	1.55	55.48	422.2	1.58	17.3	0.0652
5058	1975	CHEV	IMPA	350	2.06	80.23	421.1	1.39	16.0	1.2755
5059	1975	CHEV	STAW	400	0.34	15.46	642.5	1.48	13.3	0.8387
5060	1975	CHEV	NOVA	250	1.90	63.60	341.4	2.19	19.8	0.1542
5061	1975	CHRY	CORD	360	3.98	96.51	427.0	1.39	15.0	1.3170
5062	1975	DODG	CORO	318	1.67	41.21	444.0	2.48	17.3	0.4804
5063	1975	FORD	PINT	140	0.54	18.89	303.2	1.67	26.5	0.5023
5064	1975	FORD	LTD	351	0.81	20.10	504.3	2.59	16.5	2.3408
5065	1975	FORD	LTD	400	0.82	25.56	581.4	2.22	14.2	0.5997
5066	1975	FORD	GRAN	250	0.17	6.20	491.2	1.91	17.7	1.3866
5067	1975	FORD	GRAN	302	0.48	14.51	549.3	0.83	15.5	2.9550
5068	1975	MERC	COUG	400	0.47	26.46	625.6	1.36	13.3	8.8645
5069	1975	OLDS	CUTL	350	3.16	60.85	407.2	1.62	17.3	0.1882
5070	1975	OLDS	NNTY	455	2.94	100.48	460.5	1.17	14.1	1.4090
5071	1975	PLYM	DUST	225	1.85	50.37	290.9	1.19	23.6	0.1220
5072	1975	PLYM	FURY	318	1.75	28.21	438.7	3.28	18.2	0.7269
5074	1975	PONT	FIRE	350	2.18	41.49	428.3	1.63	17.7	0.2019
5079	1975	VOLK	RABB	90	0.41	46.46	241.0	0.16	28.1	9.4000

EXHAUST EMISSIONS REPORTED IN GRAMS PER MILE

FUEL ECONOMY IN MILES PER GALLON

SULFATE REPORTED IN MILLIGRAMS PER MILE

APPENDIX D

LISTING OF SULFATE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

VEH. NO.	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	FUEL ECON.	H_2SO_4 (corr.)
7001	1976	CHEV	C10	350	0.14	1.14	514.7	4.76	17.2	3.0621
7002	1976	CHEV	C10	350	1.65	47.39	522.1	4.36	14.7	0.8122
7003	1976	CHEV	C10	250	1.61	16.82	377.2	3.25	21.7	1.0234
7004	1976	CHEV	C10	350	2.03	28.52	473.0	2.66	16.9	1.7891
7005	1976	DODG	D100	318	0.29	3.26	511.4	3.25	17.2	1.8182
7006	1976	DODG	VAN	360	3.66	66.37	464.4	6.39	15.3	1.4227
7007	1976	FORD	F100	300	0.17	0.25	460.6	2.39	19.2	3.7648
7008	1976	FORD	F100	300	0.71	9.80	400.7	4.28	21.2	2.1927
7009	1976	FORD	E100	300	0.36	1.84	461.3	1.61	19.1	11.8597
7010	1976	CHEV	LUV	110	0.59	5.64	311.7	2.46	27.5	0.5758
7012	1975	CHEV	C10	350	0.88	27.00	501.3	2.13	16.2	3.2352
7013	1975	CHEV	C10	350	0.32	0.10	573.5	4.08	15.4	2.1859
7014	1975	DODG	VAN	318	0.35	6.28	653.1	1.53	13.4	4.1023
7015	1975	FORD	F100	300	0.27	2.00	515.2	2.62	17.1	3.1572
7016	1975	FORD	F100	360	4.48	14.66	558.2	3.81	14.9	0.6675
7017	1975	FORD	F100	360	1.33	4.00	579.4	1.59	15.0	1.0671
6018	1976	AMC	STAW	258	0.39	8.78	456.6	3.48	18.8	5.0077
6019	1976	BUIC	REGA	350	0.11	2.01	524.0	2.52	16.8	2.7167
6020	1976	BUIC	RIVI	455	0.23	0.09	594.6	3.20	14.9	7.8408
6023	1976	CHEV	IMPA	350	0.28	13.10	563.2	2.97	15.2	1.6700
6024	1976	CHEV	MONZ	140	0.52	17.25	362.8	1.68	22.7	1.2603
6025	1976	CHEV	IMPA	400	0.59	9.59	517.8	5.76	16.6	1.4603
6026	1976	CHEV	MONT	305	0.24	7.53	482.5	2.56	17.9	1.0305
6027	1976	CHEV	NOVA	250	0.27	2.08	408.6	3.12	21.5	0.3685
6028	1976	CHEV	CHET	85	0.85	8,37	247.9	3.65	33.6	6.1342
6029	1976	DODG	STAW	318	0.77	2.32	500.5	3.20	17.5	1.0119
6030	1976	DODG	ASPE	225	0.59	8.26	401.4	3.33	21.3	2.7861
6032	1976	FORD	LTD	400	0.39	5.23	603.6	1.99	14.5	3.3655
6033	1976	FORD	ELIT	351	0.65	9.74	573.0	2.69	15.0	2.3198
6034	1976	FORD	GRAN	250	0.28	0.14	457.4	3.50	19.4	25.8414
6035	1976	FORD	GRAN	302	0.52	0.69	471.3	2.27	18.7	7.4006
6036	1976	FORD	GRAN	351	2.21	0.58	582.9	4.21	15.0	50.5848
6037	1976	MERC	MARQ	400	0.34	1.49	561.3	2.29	15.7	5.3641
6038	1976	MERC	MONA	250	0.22	0.11	477.7	2.37	18.5	29.0787
6039	1976	OLDS	OMEG	260	0.21	3.20	437.9	3.05	20.0	1.8253
6040	1976	OLDS	CUTL	350	1.26	22.32	536.1	0.81	15.4	0.3749
6041	1976	OLDS	NNTY	455	0.59	9.08	544.0	2.22	15.8	1.4594
6042	1976	PLYM	STAW	225	2.34	47.82	408.4	1.57	18.1	1.2506
6043	1976	PLYM	STAW	318	1.75	19.50	491.0	1.98	16.8	1.6213
6044	1976	PONT	LEMA	350	0.18	3.58	540.9	3.68	16.2	2.9106

EXHAUST EMISSIONS REPORTED IN GRAMS PER MILE

FUEL ECONOMY IN MILES PER GALLON

SULFATE REPORTED IN MILLIGRAMS PER MILE

LISTING OF SULFATE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

VEH. NO.	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	FUEL ECON.	H_2SO_4 (corr.)
6045	1976	PONT	GRNP	400	1.23	20.39	490.4	6.47	16.9	2.5303
6051	1976	VOLK	RABB	97	0.15	1.07	319.7	2.03	27.6	1.7986
5053	1975	BUIC	CNTY	350	0.13	1.53	511.2	5.05	17.3	1.9761
5054	1975	BUIC	STAW	455	4.39	109.73	549.0	1.93	12.1	1.2764
5055	1975	CADI	DEVI	500	1.11	20.63	613.5	2.36	13.7	2.7611
5056	1975	CHEV	VEGA	140	0.93	17.34	283.3	4.50	28.3	1.0245
5057	1975	CHEV	MONT	350	0.79	29.20	580.5	1.95	14.1	4.8254
5058	1975	CHEV	CAMA	350	1.10	29.57	471.3	2.92	17.0	2.0925
5059	1975	CHEV	CAPR	454	0.22	0.50	589.5	2.30	15.0	21.1397
5060	1975	CHEV	NOVA	250	0.27	10.19	279.9	1.99	29.9	0.9381
5061	1975	CHRY	CORD	318	0.55	9.21	544.0	3.90	15.8	54.9520
5062	1975	DODG	CHAR	360	0.83	26.61	508.1	4.60	16.1	4.5718
5063	1975	FORD	PINT	140	0.85	7.37	363.7	1.44	23.5	0.5333
5064	1975	FORD	LTD	351	0.67	6.26	604.2	4.45	14.4	12.2938
5065	1975	FORD	LTD	400	0.25	5.78	698.7	1.66	12.5	7.8364
5066	1975	FORD	GRAN	250	0.76	30.24	494.9	1.42	16.3	1.7387
5067	1975	FORD	GRAN	302	1.11	2.18	495.7	4.05	17.7	8.6352
5068	1975	MERC	MARQ	400	0.64	3.72	698.1	2.79	12.6	13.5032
5069	1975	OLDS	STAW	350	0.93	10.70	547.6	1.83	15.6	0.7269
5071	1975	PLYM	VALI	225	0.78	17.40	390.0	6.32	21.1	0.4283
5072	1975	PLYM	FURY	318	0.83	17.06	532.2	3.34	15.8	2.7299
5073	1975	PONT	CATA	400	0.82	14.86	528.5	6.18	16.0	0.9605
5074	1975	PONT	LEMA	350	0.09	0.81	522.9	2.95	16.9	5.8594
5079	1975	VOLK	RABB	90	0.48	14.60	306.9	1.13	26.8	6.5979

EXHAUST EMISSIONS REPORTED IN GRAMS PER MILE

FUEL ECONOMY IN MILES PER GALLON

SULFATE REPORTED IN MILLIGRAMS PER MILE

APPENDIX D

LISTING OF SULFATE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH. NO.	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	FUEL ECON.	H_2SO_4 (corr.)
6018	1976	AMC	STAW	258	0.62	13.59	409.5	2.31	20.5	0.3059
6019	1976	BUIC	CNTY	350	0.14	2.90	491.0	3.76	17.9	0.5721
6020	1976	BUIC	ELEC	455	0.10	1.97	591.7	2.40	14.9	1.1100
6022	1976	CHEV	STAW	350	0.34	16.73	564.9	3.08	15.0	1.5668
6023	1976	CHEV	MALI	350	0.22	8.96	503.0	2.36	17.1	1.1254
6024	1976	CHEV	MONZ	140	0.36	7.78	388.3	1.99	22.1	3.5378
6025	1976	CHEV	STAW	400	0.46	7.65	589.8	5.01	14.7	4.0287
6026	1976	CHEV	MALI	305	0.13	2.37	439.4	2.78	20.0	0.7741
6027	1976	CHEV	NOVA	250	0.07	0.38	392.7	1.52	22.6	1.4609
6028	1976	CHEV	CHET	85	0.13	3.39	237.5	2.82	36.5	0.4148
6029	1976	DODG	ASPE	318	0.31	1.03	468.9	2.00	18.8	2.3246
6030	1976	DODG	ASPE	225	1.34	33.48	391.8	1.96	19.8	0.8873
6031	1976	FORD	STAW	140	0.25	1.04	382.6	2.65	23.0	3.5267
6032	1976	FORD	LTD	400	0.51	4.49	547.1	2.39	16.0	1.8259
6033	1976	FORD	TORI	351	1.11	4.94	495.8	4.92	17.5	6.6295
6035	1976	FORD	GRAN	302	0.51	0.71	476.6	2.91	18.5	6.4707
6036	1976	FORD	GRAN	351	0.39	0.68	521.3	3.45	17.0	16.0579
6037	1976	MERC	MONG	400	0.60	2.10	572.4	2.95	15.4	4.9218
6038	1976	MERC	MONA	250	0.29	0.15	440.7	2.58	20.1	224.3691
6039	1976	OLDS	OMEG	260	0.14	1.57	390.0	1.96	22.6	14.5948
6040	1976	OLDS	CUTL	350	0.64	8.24	440.6	1.91	19.5	0.3146
6041	1976	OLDS	TORO	455	0.10	0.86	619.6	3.11	14.3	1.1308
6042	1976	PLYM	VOLA	225	0.54	6.09	385.2	6.63	22.4	1.2753
6043	1976	PLYM	VOLA	318	0.37	0.67	459.2	3.04	19.2	72.8164
6044	1976	PONT	LEMA	350	0.19	4.89	459.2	3.51	19.0	0.7335
6045	1976	PONT	GRNP	400	0.11	0.33	501.7	5.53	17.7	1.0995
6050	1976	VOLK	RABB	97	0.08	0.32	283.9	1.76	31.2	2.6839
6051	1976	VOLK	RABB	97	0.10	0.35	285.0	2.46	31.0	2.9546
6201	1976	AMC	HORN	304	0.15	1.91	537.5	1.76	16.4	28.3015
6202	1976	AMC	STAW	258	0.42	6.26	439.4	1.18	19.7	0.8846
6203	1976	AMC	MATA	360	0.07	0.22	523.5	3.04	16.9	40.4397
6204	1976	AMC	PACE	232	0.83	7.83	437.0	2.00	19.6	0.1073
6206	1976	BUIC	LESA	350	0.09	1.08	521.3	4.25	17.0	1.5758
6207	1976	BUIC	CNTY	350	0.08	0.24	488.4	3.91	18.2	6.1690
6208	1976	BUIC	ELEC	455	0.18	1.48	574.4	3.72	15.4	2.7674
6209	1976	BUIC	CNTY	350	0.06	1.55	510.9	2.73	17.3	0.7153
6210	1976	BUIC	CNTY	231	0.42	10.99	395.3	4.06	21.4	0.6445
6211	1976	BUIC	SKYL	260	0.18	2.13	417.1	4.18	21.1	0.3382
6212	1976	CADI	SEVI	350	0.22	0.15	493.8	2.27	17.9	0.5455
6213	1976	CADI	DEVI	500	0.09	0.19	599.9	2.51	14.8	6.2697

EXHAUST EMISSIONS REPORTED IN GRAMS PER MILE

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APPENDIX D CONT'D

LISTING OF SULFATE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH. NO.	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	FUEL ECON.	H_2SO_4 (corr.)
6215	1976	CADI	DEVI	500	0.08	0.06	621.3	1.99	14.3	31.9086
6217	1976	CHEV	IMPA	350	0.09	2.14	542.1	2.92	16.3	1.5439
6218	1976	CHEV	MALI	305	0.83	19.91	458.4	2.75	18.0	2.3586
6219	1976	CHEV	MONT	350	0.31	7.86	478.6	3.11	18.0	1.5492
6220	1976	CHEV	NOVA	250	1.04	23.10	366.7	2.27	21.8	0.2922
6221	1976	CHEV	MONT	350	0.10	4.42	500.0	2.86	17.5	0.5550
6222	1976	CHEV	CAMA	305	0.60	14.05	464.6	2.96	18.2	1.0927
6223	1976	CHEV	CAPR	400	0.44	10.32	509.9	2.98	16.8	0.1682
6224	1976	CHEV	STAW	350	0.91	28.06	553.0	2.90	14.8	2.5392
6225	1976	CHEV	IMPA	400	0.07	0.39	538.0	4.31	16.5	2.6016
6226	1976	CHEV	MONT	350	0.09	1.33	508.5	3.10	17.4	1.0227
6227	1976	CHEV	MONT	350	0.16	4.08	499.1	3.89	17.5	3.7854
6228	1976	CHEV	VEGA	140	0.98	20.03	301.0	1.85	26.5	7.9078
6229	1976	CHEV	MONZ	262	0.19	2.33	439.4	3.96	20.0	1.6912
6231	1976	CHEV	MALI	350	0.20	7.42	510.0	1.84	17.0	7.2562
6232	1976	CHEV	MALI	350	0.12	2.00	483.3	2.61	18.2	0.7260
6233	1976	CHEV	MONT	350	0.42	11.86	509.3	2.86	16.8	1.7759
6234	1976	CHEV	CAMA	305	0.31	6.22	436.2	3.11	19.9	0.5745
6235	1976	CHEV	STAW	140	1.07	18.25	340.7	2.44	23.8	1.0045
6236	1976	CHEV	MONT	350	0.76	23.40	473.1	2.12	17.3	0.7649
6237	1976	CHEV	NOVA	250	0.06	0.01	367.5	1.82	24.1	0.8730
6239	1976	CHEV	NOVA	262	0.21	3.57	423.8	3.24	20.6	2.2104
6240	1976	CHRY	CORD	400	0.15	2.33	580.4	5.02	15.2	1.3046
6242	1976	DODG	ASPE	360	0.48	13.34	486.2	3.11	17.4	0.1129
6244	1976	DODG	ASPE	225	0.59	10.86	409.9	3.85	20.7	1.1705
6245	1976	DODG	CHAR	360	0.24	7.74	553.5	1.89	15.7	0.7081
6246	1976	DODG	DART	318	2.48	7.12	489.9	1.58	17.4	43.5130
6247	1976	DODG	DART	225	0.74	9.57	365.8	2.88	23.2	0.2245
6248	1976	FORD	LTD	400	0.34	1.94	563.4	2.66	15.6	1.1100
6249	1976	FORD	ELIT	351	0.70	5.99	515.1	3.74	16.8	8.0801
6250	1976	FORD	MAVE	250	0.24	0.21	446.5	1.20	19.8	16.3601
6251	1976	FORD	STAW	460	0.51	10.39	585.9	2.35	14.7	0.9640
6252	1976	FORD	STAW	140	0.42	2.49	341.2	1.80	25.6	0.7545
6253	1976	FORD	GRAN	250	0.19	0.15	473.1	2.38	18.7	8.4636
6254	1976	FORD	GRAN	302	0.57	0.62	463.6	2.65	19.0	10.2973
6255	1976	FORD	STAW	140	0.25	1.59	377.6	2.86	23.3	0.4036
6256	1976	FORD	ELIT	351	0.45	9.19	556.2	2.08	15.5	2.7269
6258	1976	FORD	GRAN	250	0.06	0.33	564.7	1.73	15.7	11.7412
6259	1976	FORD	PINT	140	0.51	1.76	324.2	3.11	27.0	2.4708
6260	1976	FORD	STAW	400	0.34	7.86	579.9	2.10	15.0	2.3626

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SULFATE REPORTED IN MILLIGRAMS PER MILE

APPENDIX D CONT'D

LISTING OF SULFATE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH. NO.	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	FUEL ECON.	H_2SO_4 (corr.)
6261	1976	FORD	TORI	351	0.30	1.89	561.0	2.49	15.7	6.5263
6263	1976	FORD	MUST	171	0.77	6.05	340.3	1.76	25.2	0.2985
6264	1976	FORD	LTD	400	0.26	2.58	543.8	2.25	16.2	0.6164
6265	1976	FORD	ELIT	351	0.79	6.09	496.7	3.25	17.4	46.8965
6266	1976	FORD	GRAN	302	0.54	0.68	542.6	3.89	16.3	10.2180
6267	1976	FORD	MUST	140	0.20	0.49	367.9	3.08	24.0	1.3192
6268	1976	LINC	MRK4	460	0.17	5.86	665.7	1.40	13.1	1.8566
6269	1976	LINC	MRK4	460	0.76	3.77	650.9	1.51	13.5	2.0521
6270	1976	MERC	MONA	302	0.82	5.43	485.7	0.95	17.9	1.9704
6271	1976	MERC	MARQ	400	0.30	10.55	572.7	2.02	15.0	6.7259
6272	1976	MERC	MONA	302	0.42	1.30	522.9	1.23	16.9	58.5294
6273	1976	MERC	MONG	400	0.66	10.99	573.4	1.64	15.0	5.2353
6274	1976	MERC	MONA	302	0.38	0.80	458.9	2.63	19.2	91.2776
6275	1976	OLDS	CUTL	350	0.73	14.48	438.9	1.66	19.1	0.3100
6276	1976	OLDS	CUTL	350	0.25	2.46	455.2	2.26	19.3	0.2801
6277	1976	OLDS	OMEG	260	0.17	2.13	420.9	2.96	20.9	0.8368
6278	1976	OLDS	CUTL	260	0.18	7.17	443.1	3.85	19.5	1.3478
6280	1976	OLDS	CUTL	350	0.10	1.95	481.7	2.12	18.3	2.5509
6281	1976	OLDS	STAW	350	0.30	8.66	506.6	1.85	17.0	0.6252
6282	1976	OLDS	CUTL	350	0.23	2.14	449.1	6.30	19.6	1.9794
6283	1976	OLDS	NNTY	455	0.11	2.27	557.1	2.11	15.8	0.5056
6284	1976	PLYM	STAW	318	1.94	27.51	453.1	2.37	17.7	0.7677
6285	1976	PLYM	VOLA	318	1.17	12.53	479.7	2.78	17.6	2.1844
6286	1976	PLYM	FURY	360	0.71	13.02	496.4	2.73	17.1	2.7462
6287	1976	PLYM	STAW	225	1.80	28.51	320.4	1.96	23.9	0.5036
6288	1976	PLYM	STAW	318	1.21	12.36	454.8	1.74	18.6	0.7252
6289	1976	PLYM	VOLA	225	1.01	13.48	364.3	7.63	22.8	0.9515
6291	1976	PONT	STAW	140	2.67	37.87	297.5	2.37	24.3	0.3678
6292	1976	PONT	CATA	400	0.99	23.81	517.2	2.95	15.9	0.7201
6294	1976	PONT	VENT	260	0.21	6.00	457.2	2.18	19.0	0.5322
6295	1976	PONT	BONN	400	0.04	1.25	660.5	1.71	13.4	2.4993
6296	1976	PONT	GRNP	350	0.32	10.75	547.1	1.14	15.7	28.5042
6297	1976	PONT	LEMA	350	0.09	1.47	497.3	4.28	17.8	1.0045
6298	1976	PONT	VENT	250	0.07	0.41	364.2	3.21	24.3	2.2318
6299	1976	CAPR	GHIA	140	0.11	1.36	381.7	1.16	23.1	3.1528
6300	1976	COLT	SEDA	97	1.09	15.51	278.5	2.52	29.0	1.0292
6303	1976	DATS	B210	85	0.32	2.03	259.8	4.41	33.6	1.1535
6308	1976	MAZD	MIZE	78	0.27	3.75	238.4	3.10	36.2	0.9015
6316	1976	VOLV	264G	163	0.33	2.67	460.4	2.15	19.1	5.7693
5053	1975	BUIC	CNTY	350	0.11	1.48	487.9	3.10	18.1	0.1756

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SULFATE REPORTED IN MILLIGRAMS PER MILE

APPENDIX D CONT'D

LISTING OF SULFATE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH. NO.	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	FUEL ECON.	H_2SO_4 (corr.)
5054	1975	BUIC	LESA	350	0.88	30.04	552.9	3.02	14.7	0.4303
5055	1975	CADI	DEVI	500	1.60	41.85	616.1	5.63	12.9	3.8490
5056	1975	CHEV	VEGA	140	0.98	16.52	288.5	3.52	27.9	3.5863
5057	1975	CHEV	MONT	350	0.11	2.48	473.9	2.39	18.6	0.5194
5058	1975	CHEV	IMPA	350	1.55	30.74	502.7	2.52	16.0	0.7577
5059	1975	CHEV	CAPR	400	0.15	0.06	536.9	4.18	16.5	21.3253
5060	1975	CHEV	NOVA	250	0.55	6.77	345.2	3.29	24.8	0.1225
5061	1975	CHRY	NEWP	400	0.99	34.92	554.3	1.96	14.5	1.2169
5063	1975	FORD	STAW	140	0.45	1.33	305.2	2.04	28.8	1.0952
5064	1975	FORD	STAW	351	0.81	7.18	576.3	2.67	15.0	14.1884
5066	1975	FORD	GRAN	250	0.29	3.71	366.1	2.44	23.8	12.4711
5067	1975	FORD	GRAN	302	1.77	18.03	482.0	5.20	17.2	1.0238
5068	1975	MERC	MARQ	460	0.44	16.62	589.1	3.97	14.4	2.1873
5069	1975	OLDS	CUTL	350	0.13	0.72	480.8	2.16	18.4	2.5132
5070	1975	OLDS	DELT	455	0.13	1.10	553.3	2.32	16.0	1.2788
5071	1975	PLYM	VALI	225	0.09	0.23	408.8	6.91	21.7	8.2531
5072	1975	PLYM	VALI	318	0.04	0.21	537.9	1.41	16.5	27.5320
5073	1975	PONT	STAW	400	1.02	17.25	576.8	4.12	14.6	1.0556
5074	1975	PONT	CATA	400	0.68	10.54	552.3	3.92	15.5	1.6149
5079	1975	VOLK	RABB	90	0.24	1.33	263.7	2.57	33.3	6.1251
5317	1975	AMC	HORN	304	0.11	0.23	474.4	2.56	18.7	3.4810
5318	1975	BUIC	LESA	350	0.57	23.87	541.8	1.67	15.3	0.4667
5319	1976	CADI	SEVI	350	0.14	0.16	567.5	2.27	15.6	5.5790
5320	1975	CHEV	STAW	140	0.71	16.90	316.0	1.31	25.7	0.2780
5321	1975	CHEV	CAMA	350	0.25	0.16	520.9	3.66	17.0	12.5852
5322	1975	CHEV	NOVA	262	0.14	0.04	436.1	2.33	20.3	21.8955
5323	1975	CHEV	MONT	350	1.88	42.78	460.5	3.15	16.6	0.3408
5325	1975	DODG	DART	225	0.83	13.65	360.3	2.76	23.1	2.5466
5326	1975	FORD	STAW	171	0.33	3.00	407.4	3.15	21.5	1.2669
5328	1975	FORD	TORI	351	1.09	1.89	549.2	3.59	16.0	15.0967
5329	1975	LINC	CONT	460	0.60	13.18	648.3	3.85	13.2	1.4569
5330	1975	MERC	MONA	302	0.47	2.23	520.2	2.19	16.9	11.4095
5331	1975	OLDS	OMEG	350	0.19	2.09	484.9	2.10	18.2	2.3353
5332	1975	OLDS	DELT	350	0.95	22.07	528.9	2.11	15.7	3.3776
5333	1975	PLYM	GRNF	360	0.26	9.41	536.8	3.48	16.1	4.8437

EXHAUST EMISSIONS REPORTED IN GRAMS PER MILE

FUEL ECONOMY IN MILES PER GALLON

SULFATE REPORTED IN MILLIGRAMS PER MILE

APPENDIX E - LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

Legend

VEH NO. - **Vehicle Number**

YR - **Model Year**

MAKE - **Vehicle Make**

MODL - **Vehicle Modal**

CID - **Engine Displacement in Cubic Inches**

TEST TYPE - **Indicates the Portion of the Test or Composite**

COLD TRANS - **Cold transient portion of test**
COLD STAB - **Cold stabilized portion of test**
HOT TRANS - **Hot transient portion of test**
1975 FTP - **1975 Federal Test Procedure composite**

HC - **Hdyrocarbon Emissions in grams per mile**

CO - **Carbon Monoxide Emissions in grams per mile**

CO_2 - **Carbon Dioxide Emissions in grams per mile**

NOx_c - **Oxides of Nitrogen Emissions Corrected for Humidity in grams per mile**

FUEL ECON - **Fuel Economy Calculated by the Carbon Balance Method in miles per gallon**

IHC - **Hydrocarbon Concentration with Vehicle at Normal Idle, Measured with Garage-type Instrumentation in parts per millon Hexane equivalent**

ICO [ACT] - **Carbon Monoxide Concentration with Vehicle at Normal Idle, Measured with Garage-type Instrumentation in mole per cent**

ICO [SPEC] - **Carbon Monoxide Concentration with Vehicle at Normal Idle, as specified by the manufacturer.**

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OTHER TESTS - Lists Other Emission Factors Tests Conducted on the Vehicle

MODAL - Vehicle was used in the Modal Emissions Program
HFET - Vehicle was used in Highway Fuel Economy test
EVAPORATIVE - Vehicle was used in the Evaporative Emisssions Test Program
S/C SERIES - Vehicle was used in the series of five Short Tests
DIESEL - Vehicle is a Diesel and was used in that test program
REVISED 3/M - Vehicle was used in the Alternate Three Mode Testing Program
N.Y. CITY - Vehicle was used in the New York City Cycle Testing Program

In Denver vehicles receiving the Evaporative Emissions test sequence underwent either two or four Federal Test Procedures. The first test was conducted normally on commercially available fuel. The other tests are identified as follows.

2 - Second test of evaporative emissions test sequence, Indolene fuel was used

3 - Third test of evaporative emissions test sequence, commercially available fuel used

4 - Fourth test of evaporative emissions test sequence, Indolene fuel was used

APPENDIX E

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                 MPG
VEH                                      -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2   NOxc   ECON
--------------------------------------------------------------------
7001 76 CHEV C10  350 COLD TRANS   3.94   97.7   550.7  1.86   12.4
  IHC= 350 PPM HEXANE COLD STAB    1.49   40.0   541.9  0.63   14.6
  ICO[ACT] =  6.0 %CO HOT TRANS    2.16   52.7   492.1  1.56   15.3
  ICO[SPEC] = N/A %CO 75 FTP       2.18   55.3   530.1  1.14   14.2
  OTHER TESTS:        MODAL  SULFATE  HFET

7002 76 CHEV G10  350 COLD TRANS   3.44   99.9   630.3  2.71   11.1
  IHC= 150 PPM HEXANE COLD STAB    1.68   47.5   631.2  1.29   12.5
  ICO[ACT] =  2.8 %CO HOT TRANS    1.54   48.0   583.2  2.45   13.4
  ICO[SPEC] = N/A %CO 75 FTP       2.00   58.4   618.0  1.90   12.4
  OTHER TESTS:        MODAL  SULFATE  HFET

7003 76 CHEV VAN  350 COLD TRANS   2.91   65.1   584.8  2.54   12.7
  IHC= 260 PPM HEXANE COLD STAB    1.25   28.1   591.4  1.04   13.9
  ICO[ACT] =  0.4 %CO HOT TRANS    1.32   22.6   537.4  2.39   15.4
  ICO[SPEC] = N/A %CO 75 FTP       1.61   34.2   575.3  1.72   14.0
  OTHER TESTS:        MODAL  SULFATE  HFET

7004 76 CHEV C10  350 COLD TRANS   2.01   44.1   611.1  2.22   12.9
  IHC=  30 PPM HEXANE COLD STAB    1.27   34.6   609.4  0.51   13.3
  ICO[ACT] =  0.1 %CO HOT TRANS    1.29   31.2   555.0  1.66   14.6
  ICO[SPEC] = N/A %CO 75 FTP       1.43   35.6   594.9  1.18   13.5
  OTHER TESTS:        MODAL  SULFATE  HFET

7005 76 DODG VAN  225 COLD TRANS   5.95  110.5   416.8  2.31   14.6
  IHC=  90 PPM HEXANE COLD STAB    3.21   55.3   421.3  1.30   17.1
  ICO[ACT] =  1.1 %CO HOT TRANS    3.43   79.0   363.7  1.46   17.8
  ICO[SPEC] = N/A %CO 75 FTP       3.83   73.1   404.6  1.55   16.7
  OTHER TESTS:        MODAL  SULFATE  HFET

7006 76 DODG B100 360 COLD TRANS   6.27  115.9   518.8  1.63   12.3
  IHC= 425 PPM HEXANE COLD STAB    4.46  113.3   528.1  0.63   12.3
  ICO[ACT] =  7.9 %CO HOT TRANS    3.61   88.1   473.2  1.65   14.2
  ICO[SPEC]=  0.3 %CO 75 FTP       4.60  107.0   511.2  1.12   12.8
  OTHER TESTS:        MODAL  SULFATE  HFET

7007 76 FORD F100 300 COLD TRANS   1.43   30.8   528.8  1.78   15.3
  IHC= 195 PPM HEXANE COLD STAB    0.53   12.7   544.1  1.63   15.7
  ICO[ACT] =  4.6 %CO HOT TRANS    0.93   23.7   479.4  2.07   17.1
  ICO[SPEC] = N/A %CO 75 FTP       0.82   19.4   523.3  1.78   15.9
  OTHER TESTS:        MODAL  SULFATE  HFET
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                MPG
VEH                                  -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST   TYPE   HC    CO     CO2   NOxc    ECON
--------------------------------------------------------------------
7008 76 FORD F100 390 COLD TRANS   2.48  54.3  708.8  1.89   11.1
  IHC=  10 PPM HEXANE COLD STAB    1.00  42.4  756.9  0.92   10.7
  ICO[ACT] =  0.8 %CO HOT TRANS    1.43  43.2  646.7  1.63   12.3
  ICO[SPEC] = N/A %CO 75 FTP       1.42  45.1  716.9  1.31   11.2
  OTHER TESTS:        MODAL  SULFATE  HFET

7009 76 FORD F100 390 COLD TRANS   3.57  55.0  774.3  4.00   10.2
  IHC=2000 PPM HEXANE COLD STAB    2.94  39.6  697.6  1.79   11.5
  ICO[ACT] =  2.3 %CO HOT TRANS    3.02  33.9  688.3  3.61   11.8
  ICO[SPEC] = N/A %CO 75 FTP       3.09  41.2  710.8  2.74   11.3
  OTHER TESTS:        MODAL  HFET

7010 76 DATS PICK 119 COLD TRANS   2.16  46.4  381.7  2.73   19.2
  IHC= 100 PPM HEXANE COLD STAB    1.69  36.3  403.1  2.03   19.1
  ICO[ACT] =  1.8 %CO HOT TRANS    2.34  36.9  341.6  2.64   21.8
  ICO[SPEC]=  2.0 %CO 75 FTP       1.97  38.6  381.9  2.34   19.8
  OTHER TESTS:        MODAL  HFET

7011 75 CHEV C10  350 COLD TRANS   7.10  53.9  609.8  1.78   12.4
  IHC= 140 PPM HEXANE COLD STAB    1.29  12.7  691.7  1.18   12.4
  ICO[ACT] =  1.0 %CO HOT TRANS    2.09  29.6  561.3  1.79   14.4
  ICO[SPEC] = N/A %CO 75 FTP       2.70  25.8  639.3  1.47   12.9
  OTHER TESTS:        MODAL  SULFATE

7012 75 CHEV C10  350 COLD TRANS   3.68  23.1  649.8  3.46   12.7
  IHC=  10 PPM HEXANE COLD STAB    0.56   0.3  682.7  1.64   13.0
  ICO[ACT] =  0.0 %CO HOT TRANS    0.88   3.6  611.1  2.85   14.3
  ICO[SPEC] = N/A %CO 75 FTP       1.29   5.9  656.4  2.34   13.3
  OTHER TESTS:        MODAL  SULFATE

7013 75 CHEV VAN  350 COLD TRANS   3.09  54.1  631.4  2.78   12.2
  IHC=  35 PPM HEXANE COLD STAB    0.59   0.9  611.0  1.43   14.4
  ICO[ACT] =  0.0 %CO HOT TRANS    1.24   9.4  583.2  2.66   14.7
  ICO[SPEC] = N/A %CO 75 FTP       1.28  14.2  607.6  2.04   14.0
  OTHER TESTS:        MODAL  SULFATE

7014 75 DODG VAN  318 COLD TRANS   5.68  49.2  640.0  2.72   12.1
  IHC= 170 PPM HEXANE COLD STAB    4.09  45.2  610.7  1.77   12.8
  ICO[ACT] =  1.9 %CO HOT TRANS    3.29  28.7  576.7  2.48   14.0
  ICO[SPEC]=  0.3 %CO 75 FTP       4.20  41.5  607.4  2.16   12.9
  OTHER TESTS:        MODAL  SULFATE
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APPENDIX E, CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH NO.	YR	MAKE	MODL	CID	TEST TYPE	HC	CO	CO_2	NOx_c	MPG FUEL ECON
7015	75	FORD	F100	302	COLD TRANS	1.59	25.5	524.9	1.24	15.6
IHC= 15 PPM HEXANE					COLD STAB	0.39	0.8	536.7	0.75	16.5
ICO[ACT] = 0.0 %CO					HOT TRANS	0.94	8.2	470.3	1.19	18.3
ICO[SPEC] = N/A %CO					75 FTP	0.79	7.9	516.2	0.97	16.7
OTHER TESTS:					MODAL SULFATE					
7016	75	FORD	F100	390	COLD TRANS	2.95	63.3	755.6	1.34	10.3
IHC= 20 PPM HEXANE					COLD STAB	0.87	32.2	787.3	0.93	10.6
ICO[ACT] = 0.1 %CO					HOT TRANS	1.54	34.5	686.3	1.20	11.9
ICO[SPEC] = N/A %CO					75 FTP	1.48	39.2	753.2	1.09	10.8
OTHER TESTS:					MODAL SULFATE					
7017	75	FORD	E100	351	COLD TRANS	2.47	44.0	666.7	4.92	11.9
IHC= 340 PPM HEXANE					COLD STAB	1.90	24.9	675.4	2.62	12.3
ICO[ACT] = 2.2 %CO					HOT TRANS	3.19	45.6	575.2	4.59	13.5
ICO[SPEC] = N/A %CO					75 FTP	2.37	34.5	646.2	3.63	12.5
OTHER TESTS:					MODAL SULFATE					
6018	76	AMC	HORN	258	COLD TRANS	3.15	94.5	473.3	1.55	14.0
IHC= 300 PPM HEXANE					COLD STAB	1.60	43.3	467.0	1.43	16.4
ICO[ACT] = 0.3 %CO					HOT TRANS	2.41	53.2	442.8	1.27	16.6
ICO[SPEC]= 1.0 %CO					75 FTP	2.14	56.5	461.7	1.41	15.9
OTHER TESTS:					MODAL EVAPORATIVE SULFATE HFET					
6018	TEST # 2				COLD TRANS	2.57	79.3	496.1	1.74	14.1
					COLD STAB	1.72	42.1	478.8	1.36	16.1
					HOT TRANS	2.29	41.0	458.7	1.50	16.7
					75 FTP	2.05	49.5	476.9	1.47	15.8
6019	76	BUIC	CNTY	350	COLD TRANS	4.02	87.2	577.8	2.08	12.2
IHC= 155 PPM HEXANE					COLD STAB	1.50	44.3	607.4	0.83	13.0
ICO[ACT] = 0.9 %CO					HOT TRANS	2.25	52.6	524.3	1.54	14.5
ICO[SPEC] = N/A %CO					75 FTP	2.22	55.4	578.7	1.28	13.2
OTHER TESTS:					MODAL EVAPORATIVE SULFATE HFET					
6019	TEST # 2				COLD TRANS	4.11	90.3	577.6	1.98	12.1
					COLD STAB	2.13	53.2	594.1	0.82	13.0
					HOT TRANS	1.91	45.9	534.5	1.58	14.5
					75 FTP	2.48	58.8	574.4	1.27	13.2

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                        MPG
VEH                                    -----GRAMS PER MILE-----        FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO      CO2     NOxc       ECON
----------------------------------------------------------------------------
6020 76 BUIC LESA 350 COLD TRANS   3.04   94.5    624.5    2.27        11.3
  IHC= 110 PPM HEXANE COLD STAB    1.93   53.7    622.8    1.18        12.4
  ICO[ACT] =  1.1 %CO HOT TRANS    2.32   70.6    543.2    2.08        13.4
  ICO[SPEC] = N/A %CO 75 FTP       2.27   66.7    601.4    1.65        12.4
  OTHER TESTS:        MODAL  SULFATE  HFET

6021 76 CADI DEVI 500 COLD TRANS   3.17   48.2    745.2    2.53        10.7
  IHC= 250 PPM HEXANE COLD STAB    3.28   41.3    654.5    2.64        12.2
  ICO[ACT] =  2.1 %CO HOT TRANS    2.54   36.6    638.6    2.46        12.6
  ICO[SPEC] = N/A %CO 75 FTP       3.05   41.5    668.8    2.57        11.9
  OTHER TESTS:        MODAL  SULFATE  HFET

6022 76 CHEV STAW 350 COLD TRANS   5.96  168.5    566.2    2.18        10.4
  IHC= 400 PPM HEXANE COLD STAB    4.47  128.4    543.6    1.15        11.7
  ICO[ACT] =  7.0 %CO HOT TRANS    3.45   88.4    530.0    2.55        13.1
  ICO[SPEC] = N/A %CO 75 FTP       4.50  125.8    544.6    1.74        11.7
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET

6022    TEST # 2      COLD TRANS   5.85  162.4    577.5    1.97        10.4
                      COLD STAB    4.77  131.8    538.2    0.91        11.7
                      HOT TRANS    3.44   88.1    528.0    2.09        13.1
                      75 FTP       4.63  126.2    543.5    1.45        11.7

6022    TEST # 3      COLD TRANS   3.47   84.8    562.4    1.70        12.6
                      COLD STAB    4.48  123.7    549.4    1.10        11.7
                      HOT TRANS    3.20   86.6    546.4    2.48        12.8
                      75 FTP       3.92  105.6    551.3    1.60        12.2

6022    TEST # 4      COLD TRANS   6.35  169.1    569.8    2.03        10.4
                      COLD STAB    5.60  148.0    534.3    1.05        11.3
                      HOT TRANS    3.95   94.9    527.7    2.19        12.9
                      75 FTP       5.31  137.9    539.8    1.56        11.5

6023 76 CHEV CHEL 350 COLD TRANS   3.27   60.9    561.8    1.82        13.3
  IHC= 145 PPM HEXANE COLD STAB    1.36   33.1    589.1    1.12        13.8
  ICO[ACT] =  1.6 %CO HOT TRANS    1.30   29.6    529.9    1.56        15.3
  ICO[SPEC] = N/A %CO 75 FTP       1.73   37.9    567.3    1.39        14.0
  OTHER TESTS:        MODAL  SULFATE  HFET
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                    MPG
VEH                                    -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2    NOXc     ECON
-----------------------------------------------------------------------
6024 76 CHEV STAW 140 COLD TRANS   3.80   85.8   401.9   2.74    16.2
  IHC=1820 PPM HEXANE COLD STAB    1.72   49.4   385.8   1.85    18.9
  ICO[ACT] =   8.9 %CO HOT TRANS   1.82   56.6   351.9   2.56    19.9
  ICO[SPEC] = N/A %CO 75 FTP       2.18   58.9   379.8   2.23    18.5
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET

6024    TEST # 2      COLD TRANS   2.78   82.4   409.5   2.71    16.2
                      COLD STAB    1.64   38.1   401.6   1.65    19.0
                      HOT TRANS    1.59   54.1   358.0   2.28    19.8
                      75 FTP       1.86   51.6   391.3   2.04    18.6


6025 76 CHEV MONT 400 COLD TRANS   1.84   30.7   627.4   4.05    13.0
  IHC= 320 PPM HEXANE COLD STAB    1.33   28.7   608.4   1.99    13.5
  ICO[ACT] =   5.6 %CO HOT TRANS   1.54   27.4   547.3   3.32    14.9
  ICO[SPEC] = N/A %CO 75 FTP       1.49   28.7   595.6   2.77    13.7
  OTHER TESTS:        MODAL  SULFATE  HFET

6026 76 CHEV MONT 305 COLD TRANS   5.46  106.2   509.9   2.11    12.8
  IHC= 260 PPM HEXANE COLD STAB    4.05   65.3   518.0   1.35    14.0
  ICO[ACT] =   4.0 %CO HOT TRANS   3.89   61.4   477.1   2.01    15.1
  ICO[SPEC] = N/A %CO 75 FTP       4.30   72.7   505.2   1.69    14.0
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET

6026    TEST # 2      COLD TRANS   5.41  113.0   514.0   1.57    12.5
                      COLD STAB    3.73   58.2   513.1   0.88    14.4
                      HOT TRANS    3.55   57.8   471.9   1.54    15.5
                      75 FTP       4.02   69.4   502.0   1.20    14.2


6027 76 CHEV NOVA 250 COLD TRANS   2.79   53.9   449.5   3.13    16.3
  IHC=1000 PPM HEXANE COLD STAB    2.89   77.1   380.3   2.08    17.4
  ICO[ACT] = 10.0 %CO HOT TRANS    2.10   37.8   386.1   2.86    19.6
  ICO[SPEC] = N/A %CO 75 FTP       2.65   61.6   396.1   2.51    17.7
  OTHER TESTS:        MODAL  SULFATE  HFET

6028 76 CHEV CHET  85 COLD TRANS   4.60   79.5   280.0   1.32    21.2
  IHC= 300 PPM HEXANE COLD STAB    2.08   36.8   315.5   1.14    23.4
  ICO[ACT] =   6.4 %CO HOT TRANS   2.29   51.5   265.3   1.40    25.1
  ICO[SPEC] = N/A %CO 75 FTP       2.66   49.6   294.5   1.25    23.3
  OTHER TESTS:        MODAL  SULFATE  HFET
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                   MPG
VEH                                   -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2   NOxc    ECON
-----------------------------------------------------------------------
6029 76 DODG STAW 318 COLD TRANS  3.91   82.7   709.1  1.86   10.4
  IHC=  85 PPM HEXANE COLD STAB   1.08   40.2   743.0  1.39   11.0
  ICO[ACT] =   1.3 %CO HOT TRANS  1.51   32.3   633.0  2.16   12.9
  ICO[SPEC]=   0.5 %CO 75 FTP     1.78   46.8   706.0  1.70   11.3
  OTHER TESTS:        MODAL   EVAPORATIVE   HFET

6029     TEST # 2     COLD TRANS  3.55   81.0   683.0  1.84   10.8
                      COLD STAB   1.24   35.1   734.8  1.44   11.2
                      HOT TRANS   1.97   32.6   609.6  2.20   13.3
                      75 FTP      1.91   43.8   690.0  1.73   11.6


6030 76 DODG STAW 225 COLD TRANS  5.41   67.6   517.8  4.55   13.8
  IHC= 135 PPM HEXANE COLD STAB   3.55   64.4   453.1  2.73   15.7
  ICO[ACT] =   2.0 %CO HOT TRANS  3.94   68.9   442.5  3.26   15.8
  ICO[SPEC]=   0.3 %CO 75 FTP     4.04   66.3   463.5  3.25   15.3
  OTHER TESTS:        MODAL   SULFATE   HFET

6031 76 FORD PINT 140 COLD TRANS  3.27   14.4   439.7  1.97   18.8
  IHC=  70 PPM HEXANE COLD STAB   0.52    2.7   425.8  1.38   20.6
  ICO[ACT] =   0.0 %CO HOT TRANS  1.32    5.2   348.9  2.11   24.6
  ICO[SPEC] = N/A %CO 75 FTP      1.31    5.8   407.6  1.70   21.1
  OTHER TESTS:        MODAL   EVAPORATIVE   SULFATE   HFET

6031     TEST # 2     COLD TRANS  2.65   11.4   416.6  2.07   20.0
                      COLD STAB   0.44    2.3   405.7  1.40   21.6
                      HOT TRANS   0.97    4.3   359.3  2.13   24.0
                      75 FTP      1.04    4.7   395.3  1.74   21.9


6032 76 FORD LTD  400 COLD TRANS  2.06   82.5   721.1  0.83   10.4
  IHC=  80 PPM HEXANE COLD STAB   0.49    7.0   715.6  1.57   12.2
  ICO[ACT] =   0.8 %CO HOT TRANS  1.24   43.1   631.6  1.29   12.6
  ICO[SPEC] = N/A %CO 75 FTP      1.02   32.4   693.8  1.34   11.9
  OTHER TESTS:        MODAL   SULFATE   HFET

6033 76 FORD ELIT 351 COLD TRANS  1.67   35.7   529.8  1.51   15.0
  IHC=  50 PPM HEXANE COLD STAB   0.63    0.8   630.1  2.39   14.0
  ICO[ACT] =   0.0 %CO HOT TRANS  1.22   13.9   606.5  2.32   14.0
  ICO[SPEC] = N/A %CO 75 FTP      1.00   11.6   603.0  2.19   14.2
  OTHER TESTS:        MODAL   EVAPORATIVE   SULFATE   HFET
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                 MPG
VEH                                  -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2   NOxc   ECON
---------------------------------------------------------------------

6033   TEST # 2       COLD TRANS   1.61   33.1   707.9   1.38   11.6
                      COLD STAB    0.76    1.6   628.1   2.12   14.0
                      HOT TRANS    1.18   16.6   592.4   2.02   14.3
                      75 FTP       1.05   12.2   634.8   1.94   13.5

6033   TEST # 3       COLD TRANS   1.79   33.1   682.6   1.65   12.0
                      COLD STAB    0.60    1.1   623.2   2.14   14.2
                      HOT TRANS    1.08   15.8   594.8   2.07   14.2
                      75 FTP       0.98   11.7   627.6   2.02   13.7

6033   TEST # 4       COLD TRANS   1.69   29.6   689.6   1.38   12.0
                      COLD STAB    0.75    1.9   619.7   1.90   14.2
                      HOT TRANS    1.43   19.8   601.4   1.75   13.9
                      75 FTP       1.13   12.5   629.1   1.75   13.6

6034 76 FORD GRAN 250 COLD TRANS   2.52   44.2   602.3   1.08   13.1
  IHC=  25 PPM HEXANE COLD STAB    0.29    2.7   554.7   0.95   15.9
  ICO[ACT] =  0.0 %CO HOT TRANS    0.75    4.4   557.6   1.04   15.7
  ICO[SPEC] = N/A %CO 75 FTP       0.87   11.7   565.3   1.00   15.1
  OTHER TESTS:        MODAL  SULFATE  HFET

6035 76 FORD GRAN 302 COLD TRANS   2.27   37.1   563.2   1.88   14.1
  IHC=  25 PPM HEXANE COLD STAB    0.60    1.9   559.3   1.64   15.7
  ICO[ACT] =  0.0 %CO HOT TRANS    1.60   18.3   531.0   1.80   15.7
  ICO[SPEC] = N/A %CO 75 FTP       1.21   13.6   552.4   1.73   15.4
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET

6035   TEST # 2       COLD TRANS   2.64   36.2   572.9   1.80   13.9
                      COLD STAB    0.72    0.9   558.7   1.48   15.8
                      HOT TRANS    1.20   11.5   526.0   1.68   16.2
                      75 FTP       1.25   11.0   552.7   1.60   15.5

6036 76 FORD STAW 351 COLD TRANS   2.84   58.4   693.5   1.21   11.2
  IHC= 140 PPM HEXANE COLD STAB    0.41    5.1   706.4   1.25   12.4
  ICO[ACT] =  2.2 %CO HOT TRANS    0.79   32.7   623.1   1.38   13.1
  ICO[SPEC] = N/A %CO 75 FTP       1.02   23.6   681.0   1.28   12.3
  OTHER TESTS:        MODAL  SULFATE  HFET
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                  MPG
VEH                                 -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC      CO      CO2    NOxc  ECON
----------------------------------------------------------------------
6037 76 MERC COUG 400 COLD TRANS   2.74    85.9   683.9   0.62   10.7
  IHC= 370 PPM HEXANE COLD STAB    0.36     9.2   739.9   0.65   11.7
  ICO[ACT] =  7.3 %CO HOT TRANS    1.42    38.7   635.2   0.97   12.7
  ICO[SPEC] = N/A %CO 75 FTP       1.14    33.0   699.8   0.73   11.8
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET

6037    TEST # 2      COLD TRANS   2.33    79.4   712.3   0.70   10.5
                      COLD STAB    0.38     6.9   739.3   0.66   11.8
                      HOT TRANS    0.88    40.4   638.1   0.80   12.6
                      75 FTP       0.92    31.0   706.1   0.71   11.7

6038 76 MERC COME 250 COLD TRANS   2.26    29.4   575.5   0.83   14.1
  IHC= 400 PPM HEXANE COLD STAB    0.32     0.5   557.2   0.85   15.9
  ICO[ACT] =  6.2 %CO HOT TRANS    1.18    12.0   528.9   0.81   16.1
  ICO[SPEC] = N/A %CO 75 FTP       0.95     9.6   553.2   0.84   15.5
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET

6038    TEST # 2      COLD TRANS   1.81    26.5   588.5   0.95   14.0
                      COLD STAB    0.37     0.1   548.0   1.07   16.2
                      HOT TRANS    0.93     3.1   531.9   1.00   16.4
                      75 FTP       0.82     6.3   551.9   1.03   15.7

6039 76 OLDS CUTL 350 COLD TRANS   5.42    74.3   544.6   2.05   13.1
  IHC= 425 PPM HEXANE COLD STAB    3.82    49.6   496.3   1.23   15.1
  ICO[ACT] =  3.8 %CO HOT TRANS    3.29    38.9   485.9   2.11   15.9
  ICO[SPEC] = N/A %CO 75 FTP       4.00    51.8   503.4   1.64   14.9
  OTHER TESTS:        MODAL  SULFATE  HFET

6040 76 OLDS STAW 350 COLD TRANS   3.03    54.9   607.1   1.83   12.6
  IHC= 340 PPM HEXANE COLD STAB    1.05    17.6   578.8   0.95   14.6
  ICO[ACT] =  1.4 %CO HOT TRANS    1.81    42.2   525.9   1.47   14.8
  ICO[SPEC] = N/A %CO 75 FTP       1.66    32.0   570.2   1.27   14.2
  OTHER TESTS:        MODAL  SULFATE  HFET

6041 76 OLDS TORO 455 COLD TRANS   3.94    70.0   728.6   1.99   10.4
  IHC= 350 PPM HEXANE COLD STAB    2.18    44.5   691.3   0.98   11.6
  ICO[ACT] =  5.7 %CO HOT TRANS    2.22    47.2   651.6   1.65   12.1
  ICO[SPEC] = N/A %CO 75 FTP       2.55    50.5   688.2   1.37   11.4
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                               MPG
VEH                               -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2   NOXc   ECON
------------------------------------------------------------------

6041    TEST # 2      COLD TRANS  3.41  71.6   698.8  1.54   10.8
                      COLD STAB   2.80  58.5   654.5  0.86   11.8
                      HOT TRANS   2.79  66.3   606.3  1.36   12.3
                      75 FTP      2.92  63.3   650.4  1.14   11.7


6042 76 PLYM VOLA 225 COLD TRANS  4.25  65.0   436.4  3.66   16.1
  IHC= 820 PPM HEXANE COLD STAB   5.31  94.1   351.7  1.27   17.2
  ICO[ACT] = 10.0 %CO HOT TRANS   4.98  77.1   363.7  1.81   17.7
  ICO[SPEC]=  0.4 %CO 75 FTP      5.00  83.5   372.4  1.91   17.1
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET

6042    TEST # 2      COLD TRANS  4.30  64.2   428.1  3.20   16.4
                      COLD STAB   4.24  71.6   375.5  1.57   17.7
                      HOT TRANS   3.63  54.3   370.7  2.14   19.0
                      75 FTP      4.09  65.4   385.0  2.06   17.7


6043 76 PLYM FURY 318 COLD TRANS  6.91  91.8   500.1  2.48   13.3
  IHC= 305 PPM HEXANE COLD STAB   4.47  86.9   463.7  1.90   14.4
  ICO[ACT] =  7.2 %CO HOT TRANS   4.10  62.3   445.5  3.04   16.0
  ICO[SPEC]=  0.3 %CO 75 FTP      4.87  81.2   466.2  2.33   14.6
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET

6043    TEST # 2      COLD TRANS  6.61  87.4   500.8  2.15   13.5
                      COLD STAB   4.88  92.8   471.8  1.78   14.0
                      HOT TRANS   3.33  57.8   447.2  2.78   16.2
                      75 FTP      4.82  82.1   471.0  2.13   14.4


6044 76 PONT LEMA 350 COLD TRANS  5.45 101.7   532.7  4.70   12.5
  IHC= 820 PPM HEXANE COLD STAB   4.14  68.4   480.5  3.03   14.8
  ICO[ACT] =  9.0 %CO HOT TRANS   3.68  54.4   463.0  4.92   15.8
  ICO[SPEC] = N/A %CO 75 FTP      4.29  71.4   486.5  3.89   14.5
  OTHER TESTS:        MODAL  SULFATE  HFET

6045 76 PONT STAW 400 COLD TRANS  4.84  94.5   601.9  1.72   11.6
  IHC= 120 PPM HEXANE COLD STAB   1.01  18.0   629.0  1.10   13.4
  ICO[ACT] =  0.1 %CO HOT TRANS   2.08  47.1   514.2  1.60   14.9
  ICO[SPEC] = N/A %CO 75 FTP      2.09  41.7   592.1  1.36   13.4
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                 MPG
VEH                             -----GRAMS PER MILE-----        FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO    CO2    NOXc     ECON
--------------------------------------------------------------------

6045    TEST # 2      COLD TRANS  5.37 105.9  591.8  1.24  11.4
                      COLD STAB   1.14  23.1  626.5  0.63  13.3
                      HOT TRANS   1.65  46.9  541.0  1.15  14.3
                      75 FTP      2.15  46.7  596.0  0.90  13.1


6046 76 DATS B210  85 COLD TRANS  2.29  35.3  290.6  3.08  25.1
  IHC=  20 PPM HEXANE COLD STAB   1.34  27.5  307.0  1.36  25.0
  ICO[ACT] =   0.2 %CO HOT TRANS  1.40  21.5  261.5  2.88  29.6
  ICO[SPEC]=   2.0 %CO 75 FTP     1.55  27.5  291.2  2.13  26.2
  OTHER TESTS:        MODAL  HFET

6047 76 DATS STAW 119 COLD TRANS  2.72  57.5  353.2  1.98  19.6
  IHC= 102 PPM HEXANE COLD STAB   2.18  40.9  347.3  1.27  21.2
  ICO[ACT] =   1.3 %CO HOT TRANS  2.65  44.9  308.5  2.27  22.9
  ICO[SPEC]=   2.0 %CO 75 FTP     2.42  45.4  337.9  1.69  21.3
  OTHER TESTS:        MODAL  EVAPORATIVE  HFET

6047    TEST # 2      COLD TRANS  2.57  48.2  359.1  2.40  20.0
                      COLD STAB   1.98  31.5  349.4  1.58  21.9
                      HOT TRANS   2.13  37.2  315.8  2.70  23.3
                      75 FTP      2.14  36.5  342.2  2.05  21.8


6048 76 TOYO STAW  97 COLD TRANS  2.66  35.5  330.9  2.35  22.5
  IHC= 140 PPM HEXANE COLD STAB   0.80  16.8  371.6  0.94  22.2
  ICO[ACT] =   2.6 %CO HOT TRANS  1.24  23.2  305.4  1.96  25.7
  ICO[SPEC] = N/A %CO 75 FTP      1.30  22.4  345.2  1.51  23.1
  OTHER TESTS:        MODAL  EVAPORATIVE  HFET

6048    TEST # 2      COLD TRANS  2.79  34.2  326.1  2.30  22.8
                      COLD STAB   0.95  18.2  356.6  0.99  22.9
                      HOT TRANS   1.58  21.9  296.7  1.98  26.4
                      75 FTP      1.50  22.5  334.0  1.53  23.7


6049 76 TOYO CELI 133 COLD TRANS  2.51  46.2  408.5  3.83  18.1
  IHC= 250 PPM HEXANE COLD STAB   1.17  22.5  436.6  1.98  18.7
  ICO[ACT] =   2.5 %CO HOT TRANS  1.39  19.0  364.7  4.39  22.2
  ICO[SPEC] = N/A %CO 75 FTP      1.51  26.4  411.2  3.02  19.4
  OTHER TESTS:        MODAL  EVAPORATIVE  HFET
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                MPG
VEH                                  -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE      HC     CO    CO2   NOxc  ECON
-------------------------------------------------------------------

6049    TEST # 2      COLD TRANS    2.34   46.5  419.2  3.61  17.8
                      COLD STAB     1.29   25.4  440.9  1.68  18.3
                      HOT TRANS     1.51   21.2  376.3  3.96  21.4
                      75 FTP        1.57   28.6  418.8  2.70  18.9


6050 76 VOLK DASH  97 COLD TRANS    2.37   32.3  321.3  3.13  23.4
  IHC=  90 PPM HEXANE COLD STAB     2.17   34.2  321.8  2.05  23.2
  ICO[ACT] =   2.2 %CO HOT TRANS    1.91   25.9  290.8  3.18  26.3
  ICO[SPEC]=  1.5 %CO 75 FTP        2.14   31.6  313.2  2.58  24.0
  OTHER TESTS:        MODAL  EVAPORATIVE  HFET
6050    TEST # 2      COLD TRANS    2.20   25.9  330.8  3.29  23.5
                      COLD STAB     1.72   18.0  343.7  2.26  23.5
                      HOT TRANS     1.67   16.5  292.2  3.30  27.4
                      75 FTP        1.81   19.2  327.0  2.75  24.5


6051 76 VOLK RABB  97 COLD TRANS    4.88   84.6  288.0  0.96  20.3
  IHC=  90 PPM HEXANE COLD STAB     1.99   48.6  329.2  0.81  21.5
  ICO[ACT] =   3.4 %CO HOT TRANS    2.25   57.1  274.2  0.90  23.9
  ICO[SPEC]=  1.5 %CO 75 FTP        2.65   58.3  305.7  0.86  21.9
  OTHER TESTS:        MODAL  EVAPORATIVE  SULFATE  HFET
6051    TEST # 2      COLD TRANS    4.87   93.2  268.9  0.75  20.6
                      COLD STAB     1.76   44.6  319.7  0.76  22.4
                      HOT TRANS     1.94   50.9  263.6  0.96  25.4
                      75 FTP        2.45   56.3  293.9  0.81  22.7


5052 75 AMC  STAW 258 COLD TRANS    3.14   64.7  506.5  1.62  14.4
  IHC= 130 PPM HEXANE COLD STAB     1.41   25.5  493.5  1.29  16.5
  ICO[ACT] =  5.2 %CO HOT TRANS     1.43   20.4  463.4  1.67  17.7
  ICO[SPEC]=  1.0 %CO 75 FTP        1.77   32.2  488.0  1.46  16.3
  OTHER TESTS:        MODAL  SULFATE
5053 75 BUIC CNTY 350 COLD TRANS    2.74   65.7  589.0  2.16  12.7
  IHC= 135 PPM HEXANE COLD STAB     1.78   39.6  581.7  1.00  13.7
  ICO[ACT] =  1.0 %CO HOT TRANS     2.12   55.9  501.1  1.55  14.9
  ICO[SPEC] = N/A %CO 75 FTP        2.07   49.4  561.2  1.39  13.8
  OTHER TESTS:        MODAL  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

DENVER

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                                                                MPG
VEH                               -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2   NOXc    ECON
--------------------------------------------------------------------
5054 75 BUIC RIVI 455 COLD TRANS  1.99  47.4   739.2   2.72   10.8
  IHC=  20 PPM HEXANE COLD STAB   0.49   9.1   755.6   1.49   11.5
  ICO[ACT] =  0.2 %CO HOT TRANS   1.54  38.0   664.2   2.11   12.2
  ICO[SPEC] = N/A %CO 75 FTP      1.09  24.8   727.3   1.91   11.5
  OTHER TESTS:        MODAL  SULFATE

5055 75 CADI DEVI 500 COLD TRANS  4.68 163.0   684.8   1.99    9.3
  IHC= 310 PPM HEXANE COLD STAB   4.14 112.0   620.4   2.35   11.0
  ICO[ACT] =  2.2 %CO HOT TRANS   4.34 124.6   614.0   2.39   10.8
  ICO[SPEC] = N/A %CO 75 FTP      4.31 126.0   631.9   2.29   10.5
  OTHER TESTS:        MODAL  SULFATE

5056 75 CHEV VEGA 140 COLD TRANS  7.12  93.3   318.7   1.58   18.2
  IHC= 220 PPM HEXANE COLD STAB   3.42  71.1   336.8   1.46   19.3
  ICO[ACT] =  1.5 %CO HOT TRANS   3.27  61.3   292.1   1.62   22.3
  ICO[SPEC] = N/A %CO 75 FTP      4.14  73.0   320.9   1.53   19.8
  OTHER TESTS:        MODAL  SULFATE

5057 75 CHEV MALI 350 COLD TRANS  2.54  73.8   546.3   1.77   13.2
  IHC= 120 PPM HEXANE COLD STAB   1.41  32.1   597.9   0.99   13.6
  ICO[ACT] =  0.1 %CO HOT TRANS   1.39  40.5   496.6   1.44   15.7
  ICO[SPEC] = N/A %CO 75 FTP      1.64  43.0   559.7   1.27   14.0
  OTHER TESTS:        MODAL  SULFATE

5058 75 CHEV IMPA 350 COLD TRANS  3.32  90.4   586.0   1.78   12.0
  IHC= 165 PPM HEXANE COLD STAB   2.74  93.0   563.7   1.00   12.4
  ICO[ACT] =  1.5 %CO HOT TRANS   2.15  65.4   539.5   1.69   13.7
  ICO[SPEC] = N/A %CO 75 FTP      2.70  84.9   561.7   1.35   12.6
  OTHER TESTS:        MODAL  SULFATE

5059 75 CHEV STAW 400 COLD TRANS  2.91  70.5   758.8   2.51   10.1
  IHC=  10 PPM HEXANE COLD STAB   0.28   0.4   789.5   1.48   11.2
  ICO[ACT] =  0.0 %CO HOT TRANS   1.66  13.4   716.1   2.02   12.0
  ICO[SPEC] = N/A %CO 75 FTP      1.20  18.4   763.2   1.84   11.2
  OTHER TESTS:        MODAL  SULFATE

5060 75 CHEV NOVA 250 COLD TRANS  2.67  69.9   474.2   2.64   15.0
  IHC= 240 PPM HEXANE COLD STAB   1.70  59.4   476.7   1.48   15.4
  ICO[ACT] =  8.0 %CO HOT TRANS   2.29  39.0   430.5   2.69   17.8
  ICO[SPEC] = N/A %CO 75 FTP      2.06  56.0   463.6   2.05   15.9
  OTHER TESTS:        MODAL  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

DENVER

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                                                                      MPG
VEH                                  -----GRAMS PER MILE-----        FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC     CO     CO2    NOxc      ECON
-------------------------------------------------------------------------
5061 75 CHRY CORD 360 COLD TRANS    5.87  103.0   592.1   1.76   11.5
  IHC= 320 PPM HEXANE COLD STAB     4.41  114.3   522.6   1.46   12.4
  ICO[ACT] =  7.7 %CO HOT TRANS     4.05   94.9   533.3   2.24   12.8
  ICO[SPEC]=  0.3 %CO 75 FTP        4.61  106.7   539.8   1.73   12.3
  OTHER TESTS:        MODAL  SULFATE

5062 75 DODG CORO 318 COLD TRANS    2.64   63.9   596.7   2.54   12.6
  IHC= 480 PPM HEXANE COLD STAB     2.18   51.0   558.8   1.88   13.7
  ICO[ACT] =  2.8 %CO HOT TRANS     1.53   24.4   546.5   3.11   15.1
  ICO[SPEC]=  0.3 %CO 75 FTP        2.09   46.4   563.2   2.35   13.8
  OTHER TESTS:        MODAL  SULFATE

5063 75 FORD PINT 140 COLD TRANS    3.25   41.1   367.7   1.74   20.1
  IHC=  70 PPM HEXANE COLD STAB     1.34   29.2   402.4   0.89   19.6
  ICO[ACT] =  0.3 %CO HOT TRANS     1.73   26.9   337.9   1.83   23.0
  ICO[SPEC] = N/A %CO 75 FTP        1.84   31.0   377.7   1.32   20.5
  OTHER TESTS:        MODAL  SULFATE

5064 75 FORD LTD  351 COLD TRANS    2.38   37.5   685.0   3.79   11.8
  IHC= 205 PPM HEXANE COLD STAB     1.23   26.6   646.3   1.50   12.8
  ICO[ACT] =  1.8 %CO HOT TRANS     1.65   33.5   582.2   2.86   13.9
  ICO[SPEC] = N/A %CO 75 FTP        1.58   30.7   636.8   2.34   12.9
  OTHER TESTS:        MODAL  SULFATE

5065 75 FORD LTD  400 COLD TRANS    3.18   42.0   730.5   2.58   11.0
  IHC=  70 PPM HEXANE COLD STAB     1.21   32.1   693.5   1.58   11.9
  ICO[ACT] =  1.2 %CO HOT TRANS     1.73   29.5   638.1   2.47   12.9
  ICO[SPEC] = N/A %CO 75 FTP        1.76   33.4   686.0   2.03   11.9
  OTHER TESTS:        MODAL  SULFATE

5066 75 FORD GRAN 250 COLD TRANS    1.72   14.0   617.7   2.97   13.8
  IHC=  25 PPM HEXANE COLD STAB     0.23    0.2   582.9   2.07   15.2
  ICO[ACT] =  0.0 %CO HOT TRANS     0.59    1.6   559.9   2.47   15.7
  ICO[SPEC] = N/A %CO 75 FTP        0.64    3.5   583.8   2.37   15.0
  OTHER TESTS:        MODAL  SULFATE

5067 75 FORD GRAN 302 COLD TRANS    2.38   49.2   646.8   1.21   12.1
  IHC=  20 PPM HEXANE COLD STAB     0.56    2.7   707.0   1.18   12.4
  ICO[ACT] =  0.1 %CO HOT TRANS     1.56   19.5   612.5   1.26   13.7
  ICO[SPEC] = N/A %CO 75 FTP        1.21   16.9   668.8   1.21   12.7
  OTHER TESTS:        MODAL  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

DENVER

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                                                             MPG
VEH                             -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE  HC    CO     CO2   NOxc   ECON
----------------------------------------------------------------
5068 75 MERC COUG 400 COLD TRANS 2.50  43.4  819.6  2.29    9.9
  IHC= 185 PPM HEXANE COLD STAB  0.84  13.9  815.6  1.38   10.6
  ICO[ACT] =  2.0 %CO HOT TRANS  1.02  21.1  709.5  2.16   11.9
  ICO[SPEC] = N/A %CO 75 FTP     1.23  21.9  787.5  1.78   10.7
  OTHER TESTS:        MODAL  SULFATE

5069 75 OLDS CUTL 350 COLD TRANS 5.21  87.6  526.7  1.88   13.0
  IHC= 850 PPM HEXANE COLD STAB  4.33  69.8  471.0  1.57   14.9
  ICO[ACT] =  8.8 %CO HOT TRANS  3.54  56.5  476.3  1.88   15.4
  ICO[SPEC] = N/A %CO 75 FTP     4.30  69.8  483.9  1.72   14.6
  OTHER TESTS:        MODAL  SULFATE

5070 75 OLDS NNTY 455 COLD TRANS 3.69  79.8  679.1  2.01   10.9
  IHC= 180 PPM HEXANE COLD STAB  3.45  73.6  610.6  1.16   12.0
  ICO[ACT] =  2.2 %CO HOT TRANS  3.09  63.9  595.2  1.93   12.6
  ICO[SPEC] = N/A %CO 75 FTP     3.40  72.2  620.5  1.54   11.9
  OTHER TESTS:        MODAL  SULFATE

5071 75 PLYM DUST 225 COLD TRANS 5.31  75.7  391.2  1.83   16.8
  IHC= 210 PPM HEXANE COLD STAB  4.01  67.5  392.2  0.65   17.4
  ICO[ACT] =   5.7 %CO HOT TRANS 4.12  62.6  343.0  1.45   19.5
  ICO[SPEC]=  0.3 %CO 75 FTP     4.31  67.9  378.6  1.11   17.8
  OTHER TESTS:        MODAL  SULFATE

5072 75 PLYM FURY 318 COLD TRANS 4.06  79.2  612.0  4.44   11.8
  IHC= 220 PPM HEXANE COLD STAB  2.89  69.2  535.8  2.01   13.6
  ICO[ACT] =  5.4 %CO HOT TRANS  2.41  35.7  524.9  4.08   15.1
  ICO[SPEC]=  3.0 %CO 75 FTP     3.00  62.1  548.6  3.08   13.5
  OTHER TESTS:        MODAL  SULFATE

5073 75 PONT STAW 400 COLD TRANS 4.81 113.8  633.9  2.20   10.7
  IHC= 400 PPM HEXANE COLD STAB  0.75  12.2  640.1  2.51   13.4
  ICO[ACT] =  1.4 %CO HOT TRANS  1.44  33.8  577.7  2.49   14.0
  ICO[SPEC] = N/A %CO 75 FTP     1.77  39.0  621.8  2.44   12.9
  OTHER TESTS:        MODAL

5074 75 PONT FIRE 350 COLD TRANS 4.55  88.2  556.1  1.36   12.5
  IHC= 170 PPM HEXANE COLD STAB  2.98  40.7  562.1  1.32   14.0
  ICO[ACT] =  2.0 %CO HOT TRANS  2.96  49.2  503.6  1.67   15.0
  ICO[SPEC] = N/A %CO 75 FTP     3.30  52.8  544.9  1.42   13.9
  OTHER TESTS:        MODAL  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                  MPG
VEH                                    -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2    NOxc    ECON
-----------------------------------------------------------------------
5075 75 DATS B210  85 COLD TRANS  2.19  21.4   276.8  2.51   28.0
  IHC=  85 PPM HEXANE COLD STAB   1.63  26.7   288.8  1.09   26.4
  ICO[ACT] =  1.0 $CO HOT TRANS   1.76  25.4   249.2  2.41   30.1
  ICO[SPEC]=  2.0 $CO 75 FTP      1.78  25.2   275.5  1.74   27.7
  OTHER TESTS:        MODAL

5076 75 TOYO CORO 133 COLD TRANS  3.55  54.9   369.0  5.63   19.0
  IHC= 245 PPM HEXANE COLD STAB   3.32  58.8   315.7  2.41   21.2
  ICO[ACT] =  0.7 $CO HOT TRANS   2.74  36.3   331.3  5.45   22.4
  ICO[SPEC] = N/A $CO 75 FTP      3.21  51.9   330.9  3.90   21.0
  OTHER TESTS:        MODAL

5077 75 TOYO CORO  97 COLD TRANS  3.11  45.0   333.2  1.66   21.5
  IHC=  80 PPM HEXANE COLD STAB   0.77  19.0   396.0  0.72   20.7
  ICO[ACT] =  0.6 $CO HOT TRANS   1.71  29.5   311.4  1.73   24.4
  ICO[SPEC] = N/A $CO 75 FTP      1.51  27.2   360.0  1.19   21.8
  OTHER TESTS:        MODAL

5078 75 VOLK SEDA  97 COLD TRANS  2.98  43.9   275.8  2.61   25.1
  IHC= 200 PPM HEXANE COLD STAB   2.51  38.8   285.7  1.71   25.0
  ICO[ACT] =  3.2 $CO HOT TRANS   2.26  34.0   251.9  2.32   28.4
  ICO[SPEC]=  2.0 $CO 75 FTP      2.54  38.5   274.4  2.06   25.9
  OTHER TESTS:        MODAL

5079 75 VOLK RABB  90 COLD TRANS  5.52  85.1   356.3  0.33   17.5
  IHC= 130 PPM HEXANE COLD STAB   0.19  14.9   399.6  0.35   20.9
  ICO[ACT] =  1.4 $CO HOT TRANS   0.44  36.5   330.3  0.26   22.8
  ICO[SPEC]=  2.0 $CO 75 FTP      1.35  35.2   371.8  0.32   20.6
  OTHER TESTS:        MODAL  SULFATE

4080 74 AMC  MATA 304 COLD TRANS  5.83 102.5   505.9  2.78   12.9
  IHC= 700 PPM HEXANE COLD STAB   4.93  78.9   488.6  2.06   14.1
  ICO[ACT] =  0.4 $CO HOT TRANS   5.35 106.2   446.0  1.99   14.1
  ICO[SPEC]=  1.0 $CO 75 FTP      5.23  91.2   480.6  2.19   13.9
  OTHER TESTS:        MODAL

4081 74 BUIC LESA 455 COLD TRANS  5.52  97.7   676.5  7.64   10.5
  IHC= 220 PPM HEXANE COLD STAB   4.37 100.5   613.7  3.63   11.3
  ICO[ACT] =  1.0 $CO HOT TRANS   5.51 111.2   577.8  5.38   11.5
  ICO[SPEC]=  0.3 $CO 75 FTP      4.92 102.8   616.8  4.93   11.2
  OTHER TESTS:        MODAL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                MPG
VEH                                 -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2   NOxc   ECON
--------------------------------------------------------------------
4082 74 CADI DEVI 472 COLD TRANS  3.80  135.3   846.8   1.06    8.3
  IHC=  60 PPM HEXANE COLD STAB   2.01   65.6   783.2   1.00    9.9
  ICO[ACT] =  1.7 %CO HOT TRANS   2.71   77.4   729.2   0.96   10.3
  ICO[SPEC]=  0.4 %CO 75 FTP      2.57   83.2   781.6   1.00    9.6
  OTHER TESTS:        MODAL

4083 74 CHEV VEGA 140 COLD TRANS  3.67   70.3   436.8   1.99   15.9
  IHC= 200 PPM HEXANE COLD STAB   2.11   35.0   375.2   1.53   20.3
  ICO[ACT] =  6.8 %CO HOT TRANS   1.96   35.7   347.6   1.65   21.7
  ICO[SPEC]=  0.5 %CO 75 FTP      2.39   42.4   380.4   1.65   19.5
  OTHER TESTS:        MODAL

4084 74 CHEV MALI 350 COLD TRANS  4.83  100.1   591.7   1.74   11.6
  IHC=  47 PPM HEXANE COLD STAB   3.36   48.0   636.9   1.69   12.3
  ICO[ACT] =  0.7 %CO HOT TRANS   3.65   69.9   542.7   1.53   13.4
  ICO[SPEC]=  0.5 %CO 75 FTP      3.74   64.7   601.9   1.66   12.4
  OTHER TESTS:        MODAL

4085 74 CHEV NOVA 250 COLD TRANS  6.22   54.1   503.8   1.20   14.6
  IHC=  30 PPM HEXANE COLD STAB   1.91   23.1   613.7   0.84   13.5
  ICO[ACT] =  0.5 %CO HOT TRANS   2.77   42.3   466.8   0.88   16.4
  ICO[SPEC]=  0.3 %CO 75 FTP      3.03   34.7   551.0   0.93   14.4
  OTHER TESTS:        MODAL

4086 74 CHEV NOVA 350 COLD TRANS  3.71   73.5   526.1   2.76   13.6
  IHC=  60 PPM HEXANE COLD STAB   2.83   83.6   505.9   1.04   13.7
  ICO[ACT] =  2.2 %CO HOT TRANS   3.11   71.3   438.8   1.88   15.8
  ICO[SPEC] = N/A %CO 75 FTP      3.09   78.2   491.8   1.62   14.2
  OTHER TESTS:        MODAL

4087 74 CHEV VETT 350 COLD TRANS  8.71  145.1   522.5   1.25   11.4
  IHC= 135 PPM HEXANE COLD STAB   8.40  161.2   498.6   0.47   11.4
  ICO[ACT] =  1.9 %CO HOT TRANS   7.40  131.1   444.5   1.05   13.2
  ICO[SPEC]=  0.5 %CO 75 FTP      8.19  149.7   488.7   0.79   11.8
  OTHER TESTS:        MODAL

4088 74 CHEV IMPA 400 COLD TRANS  3.57   78.4   615.7   2.88   11.8
  IHC=  35 PPM HEXANE COLD STAB   2.17   74.1   651.4   0.94   11.5
  ICO[ACT] =  1.4 %CO HOT TRANS   2.82   71.4   553.3   1.75   13.2
  ICO[SPEC]=  0.5 %CO 75 FTP      2.63   74.3   617.3   1.56   12.0
  OTHER TESTS:        MODAL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH NO. YR MAKE MODL CID	TEST TYPE	HC	CO	CO_2	NOx_c	MPG FUEL ECON
		GRAMS PER MILE				
4089 74 CHRY NEWP 400	COLD TRANS	6.57	83.4	623.5	4.20	11.4
IHC= 400 PPM HEXANE	COLD STAB	7.46	117.1	633.7	1.86	10.5
ICO[ACT] = 4.8 %CO	HOT TRANS	6.18	67.3	567.9	4.35	12.8
ICO[SPEC]= 0.5 %CO	75 FTP	6.93	96.6	613.7	3.02	11.3
OTHER TESTS:	MODAL					
4090 74 DODG CORO 318	COLD TRANS	6.89	90.5	546.1	5.06	12.5
IHC= 340 PPM HEXANE	COLD STAB	6.69	125.1	482.4	2.33	12.7
ICO[ACT] = 7.8 %CO	HOT TRANS	5.12	63.2	477.0	4.90	15.0
ICO[SPEC]= 0.5 %CO	75 FTP	6.30	101.1	494.0	3.59	13.2
OTHER TESTS:	MODAL					
4091 74 FORD STAW 122	COLD TRANS	5.72	94.3	288.8	2.40	19.5
IHC= 140 PPM HEXANE	COLD STAB	4.53	76.6	283.6	2.04	21.2
ICO[ACT] = 4.4 %CO	HOT TRANS	3.99	62.6	272.6	3.22	23.1
ICO[SPEC]= 0.5 %CO	75 FTP	4.63	76.4	281.7	2.44	21.3
OTHER TESTS:	MODAL					
4092 74 FORD MAVE 302	COLD TRANS	6.43	107.2	474.8	1.74	13.4
IHC= 120 PPM HEXANE	COLD STAB	5.56	117.3	447.4	0.81	13.7
ICO[ACT] = 1.2 %CO	HOT TRANS	5.57	93.2	416.5	1.67	15.3
ICO[SPEC]= 0.5 %CO	75 FTP	5.74	108.6	444.6	1.23	14.0
OTHER TESTS:	MODAL					
4093 74 FORD MAVE 250	COLD TRANS	4.29	83.9	460.3	1.80	14.7
IHC= 150 PPM HEXANE	COLD STAB	3.33	78.4	421.9	0.83	16.0
ICO[ACT] = 2.6 %CO	HOT TRANS	3.75	77.8	376.9	1.34	17.4
ICO[SPEC]= 1.0 %CO	75 FTP	3.64	79.4	417.5	1.17	16.0
OTHER TESTS:	MODAL					
4094 74 FORD GALA 400	COLD TRANS	5.25	71.4	623.1	3.47	11.8
IHC= 300 PPM HEXANE	COLD STAB	3.91	68.9	592.7	1.78	12.4
ICO[ACT] = 4.2 %CO	HOT TRANS	4.23	55.9	555.7	2.61	13.5
ICO[SPEC] = N/A %CO	75 FTP	4.27	65.9	588.8	2.35	12.6
OTHER TESTS:	MODAL					
4095 74 FORD TORI 351	COLD TRANS	5.65	100.8	507.7	3.31	13.0
IHC= 260 PPM HEXANE	COLD STAB	5.12	143.5	456.6	1.28	12.7
ICO[ACT] = 7.8 %CO	HOT TRANS	4.59	91.3	461.4	2.31	14.3
ICO[SPEC] = N/A %CO	75 FTP	5.09	120.4	468.4	1.98	13.2
OTHER TESTS:	MODAL					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH							GRAMS PER MILE				MPG FUEL
NO.	YR	MAKE	MODL	CID	TEST	TYPE	HC	CO	CO_2	NOx_c	ECON
4096	74	MERC	COME	302	COLD	TRANS	5.99	100.9	490.0	1.97	13.3
IHC= 250 PPM HEXANE					COLD	STAB	5.12	119.4	450.5	0.93	13.6
ICO[ACT] = 5.5 $CO					HOT	TRANS	5.23	105.3	410.5	1.63	15.0
ICO[SPEC] = N/A $CO					75	FTP	5.33	111.7	447.7	1.34	13.9
OTHER TESTS:					MODAL						
4097	74	OLDS	CUTL	350	COLD	TRANS	5.25	68.5	579.9	5.08	12.6
IHC= 125 PPM HEXANE					COLD	STAB	4.31	53.7	579.6	2.99	13.1
ICO[ACT] = 2.5 $CO					HOT	TRANS	4.20	53.8	505.4	4.80	14.7
ICO[SPEC]= 0.2 $CO					75	FTP	4.47	56.8	559.4	3.91	13.4
OTHER TESTS:					MODAL						
4098	74	OLDS	NNTY	455	COLD	TRANS	3.83	43.8	646.3	5.19	12.2
IHC= 450 PPM HEXANE					COLD	STAB	4.13	42.1	614.7	3.92	12.8
ICO[ACT] = 0.1 $CO					HOT	TRANS	3.82	45.1	563.3	4.80	13.7
ICO[SPEC]= 0.2 $CO					75	FTP	3.98	43.2	607.2	4.42	12.9
OTHER TESTS:					MODAL						
4099	74	PLYM	SATE	318	COLD	TRANS	6.91	100.6	498.3	2.55	13.1
IHC= 140 PPM HEXANE					COLD	STAB	4.40	80.8	474.7	1.40	14.4
ICO[ACT] = 0.7 $CO					HOT	TRANS	4.44	60.1	467.0	2.56	15.4
ICO[SPEC]= 0.5 $CO					75	FTP	4.93	79.2	477.4	1.95	14.4
OTHER TESTS:					MODAL						
4100	74	PLYM	DUST	225	COLD	TRANS	9.86	130.0	340.2	2.10	15.4
IHC= 200 PPM HEXANE					COLD	STAB	5.55	128.9	352.0	0.88	15.5
ICO[ACT] = 1.4 $CO					HOT	TRANS	6.48	136.7	303.2	0.86	16.5
ICO[SPEC]= 0.5 $CO					75	FTP	6.69	131.2	336.3	1.12	15.7
OTHER TESTS:					MODAL						
4101	74	PONT	FIRE	350	COLD	TRANS	8.14	114.7	586.7	2.74	11.2
IHC= 100 PPM HEXANE					COLD	STAB	2.22	55.5	605.2	1.67	12.7
ICO[ACT] = 0.8 $CO					HOT	TRANS	2.38	47.7	570.4	3.06	13.6
ICO[SPEC] = N/A $CO					75	FTP	3.48	65.6	591.9	2.27	12.6
OTHER TESTS:					MODAL						
4102	74	DATS	STAW	119	COLD	TRANS	3.26	72.4	332.4	1.46	19.4
IHC= 150 PPM HEXANE					COLD	STAB	2.98	45.9	327.6	0.97	21.7
ICO[ACT] = 0.1 $CO					HOT	TRANS	3.05	48.7	296.7	1.49	23.2
ICO[SPEC]= 3.0 $CO					75	FTP	3.06	52.1	320.2	1.21	21.6
OTHER TESTS:					MODAL						

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                    MPG
VEH                                   -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2    NOxc     ECON
------------------------------------------------------------------------
4103 74 TOYO CORO  97 COLD TRANS   5.01   64.9   284.6   3.30    22.1
  IHC=1150 PPM HEXANE COLD STAB    5.13   72.7   267.9   1.14    22.3
  ICO[ACT] =  7.0 %CO HOT TRANS    3.97   53.8   250.0   2.39    25.6
  ICO[SPEC]=  4.0 %CO 75 FTP       4.79   66.0   266.5   1.92    23.0
  OTHER TESTS:        MODAL

4104 74 TOYO CORO 120 COLD TRANS   3.42   67.3   361.9   3.03    18.5
  IHC= 180 PPM HEXANE COLD STAB    2.83   74.9   321.1   1.09    19.8
  ICO[ACT] =  4.0 %CO HOT TRANS    3.01   45.4   342.8   3.39    21.0
  ICO[SPEC]=  4.0 %CO 75 FTP       3.00   65.3   335.4   2.12    19.8
  OTHER TESTS:        MODAL

4105 74 VOLK SEDA  97 COLD TRANS   6.86   79.6   230.3   2.01    23.5
  IHC=1350 PPM HEXANE COLD STAB    6.44   83.4   217.6   1.04    24.0
  ICO[ACT] =  6.8 %CO HOT TRANS    5.05   68.0   207.6   1.68    26.9
  ICO[SPEC]=  2.0 %CO 75 FTP       6.15   78.4   217.5   1.42    24.6
  OTHER TESTS:        MODAL

4106 74 VOLK SEDA  97 COLD TRANS   6.66   72.9   224.7   1.52    24.6
  IHC= 690 PPM HEXANE COLD STAB    7.91   90.1   220.6   0.75    22.9
  ICO[ACT] =  9.6 %CO HOT TRANS    5.75   63.3   208.3   1.38    27.2
  ICO[SPEC]=  2.0 %CO 75 FTP       7.07   79.2   218.1   1.08    24.3
  OTHER TESTS:        MODAL

3107 73 AMC  STAW 232 COLD TRANS  16.58  191.3   263.8   0.49    14.4
  IHC= 310 PPM HEXANE COLD STAB    9.34  136.1   300.8   0.60    16.3
  ICO[ACT] =  7.4 %CO HOT TRANS    6.78  111.6   279.8   0.80    18.6
  ICO[SPEC]=  1.0 %CO 75 FTP      10.13  140.8   287.5   0.63    16.4
  OTHER TESTS:        MODAL

3108 73 BUIC CNTR 455 COLD TRANS   8.08  156.9   737.7   1.10     8.8
  IHC= 380 PPM HEXANE COLD STAB    8.03  188.3   673.0   0.66     8.9
  ICO[ACT] =  8.0 %CO HOT TRANS    8.05  169.0   573.1   0.77    10.3
  ICO[SPEC] = N/A %CO 75 FTP       8.05  176.6   659.1   0.78     9.2
  OTHER TESTS:        MODAL

3109 73 BUIC REGA 350 COLD TRANS   6.41   90.2   575.8   2.49    12.0
  IHC=  50 PPM HEXANE COLD STAB    3.50   87.9   540.6   1.01    12.9
  ICO[ACT] =  1.6 %CO HOT TRANS    3.37   56.3   508.2   2.38    14.6
  ICO[SPEC] = N/A %CO 75 FTP       4.06   79.7   539.0   1.69    13.1
  OTHER TESTS:        MODAL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                            MPG
VEH                              -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO    CO2  NOxc  ECON
---------------------------------------------------------------
3110 73 CADI DEVI 472 COLD TRANS  5.91  76.6  732.9  3.30  10.2
  IHC=  45 PPM HEXANE COLD STAB   3.87  67.5  709.7  2.11  10.7
  ICO[ACT] =  1.8 $CO HOT TRANS   4.33  63.9  636.9  3.19  11.8
  ICO[SPEC]=  0.5 $CO 75 FTP      4.41  68.4  694.6  2.65  10.9
  OTHER TESTS:        MODAL

3111 73 CHEV STAW 140 COLD TRANS  7.48  74.5  343.8  3.30  18.3
  IHC= 500 PPM HEXANE COLD STAB   7.41  60.1  367.6  1.82  18.3
  ICO[ACT] =  5.5 $CO HOT TRANS   5.52  43.9  302.1  3.49  22.8
  ICO[SPEC] = N/A $CO 75 FTP      6.91  58.6  344.9  2.58  19.3
  OTHER TESTS:        MODAL

3112 73 CHEV MONT 350 COLD TRANS  5.69 112.8  600.4  2.09  11.2
  IHC= 120 PPM HEXANE COLD STAB   3.14  70.2  603.2  1.43  12.3
  ICO[ACT] =  2.7 $CO HOT TRANS   4.14  89.4  508.4  2.10  13.4
  ICO[SPEC] = N/A $CO 75 FTP      3.94  84.2  576.8  1.75  12.3
  OTHER TESTS:        MODAL

3113 73 CHEV NOVA 350 COLD TRANS  4.54  74.2  495.6  1.51  14.2
  IHC=  50 PPM HEXANE COLD STAB   3.25  71.8  521.0  0.89  13.8
  ICO[ACT] =  0.9 $CO HOT TRANS   3.46  54.6  453.8  1.71  16.1
  ICO[SPEC] = N/A $CO 75 FTP      3.57  67.6  497.4  1.25  14.4
  OTHER TESTS:        MODAL

3114 73 CHEV IMPA 350 COLD TRANS  6.66 131.5  578.1  2.01  11.0
  IHC= 380 PPM HEXANE COLD STAB   3.61  97.8  629.5  1.37  11.2
  ICO[ACT] =  7.9 $CO HOT TRANS   5.46 110.9  501.9  2.16  12.8
  ICO[SPEC] = N/A $CO 75 FTP      4.74 108.3  584.1  1.72  11.5
  OTHER TESTS:        MODAL

3115 73 CHEV IMPA 350 COLD TRANS 11.84 210.0  569.6  1.58   9.5
  IHC=  65 PPM HEXANE COLD STAB   4.92 161.5  571.1  0.79  10.6
  ICO[ACT] =  3.2 $CO HOT TRANS   4.62 136.5  512.8  1.29  12.0
  ICO[SPEC] = N/A $CO 75 FTP      6.26 164.7  554.9  1.09  10.6
  OTHER TESTS:        MODAL

3116 73 DODG DART 225 COLD TRANS  4.39 118.6  423.7  4.93  14.2
  IHC= 170 PPM HEXANE COLD STAB   2.91  35.5  399.4  5.26  19.1
  ICO[ACT] =  3.6 $CO HOT TRANS   2.87  65.0  398.3  6.55  17.4
  ICO[SPEC]=  0.5 $CO 75 FTP      3.20  60.7  404.1  5.55  17.4
  OTHER TESTS:        MODAL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                     MPG
VEH                                   -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc      ECON
--------------------------------------------------------------------------
3117 73 FORD PINT 122 COLD TRANS  4.02   61.1   327.7   2.38      20.3
  IHC=  35 PPM HEXANE COLD STAB   1.44   15.8   396.4   1.89      20.8
  ICO[ACT] =  0.1 $CO HOT TRANS   1.87   22.7   314.6   2.72      24.9
  ICO[SPEC] = N/A $CO 75 FTP      2.09   27.0   359.9   2.22      21.7
  OTHER TESTS:        MODAL

3118 73 FORD TORI 351 COLD TRANS  6.86   99.4   566.4   3.05      11.9
  IHC= 320 PPM HEXANE COLD STAB   5.93  113.7   519.8   1.46      12.4
  ICO[ACT] =  7.2 $CO HOT TRANS   5.00   72.8   496.3   3.48      14.2
  ICO[SPEC] = N/A $CO 75 FTP      5.87   99.6   523.0   2.34      12.7
  OTHER TESTS:        MODAL

3119 73 FORD MAVE 302 COLD TRANS  6.09   95.2   456.8   2.15      14.2
  IHC= 360 PPM HEXANE COLD STAB   6.29  123.9   406.2   0.98      14.3
  ICO[ACT] = 10.0 $CO HOT TRANS   5.48   82.9   395.6   2.04      16.3
  ICO[SPEC] = N/A $CO 75 FTP      6.03  106.8   413.7   1.51      14.8
  OTHER TESTS:        MODAL

3120 73 FORD CUST 351 COLD TRANS  6.84  109.4   488.6   3.18      13.0
  IHC= 280 PPM HEXANE COLD STAB   4.67  119.0   460.5   1.22      13.4
  ICO[ACT] =  3.2 $CO HOT TRANS   4.60   98.8   422.6   2.22      15.0
  ICO[SPEC]=  0.5 $CO 75 FTP      5.10  111.5   456.0   1.90      13.7
  OTHER TESTS:        MODAL

3121 73 FORD LTD  400 COLD TRANS  5.67  117.5   717.6   3.58       9.6
  IHC= 200 PPM HEXANE COLD STAB   4.80  110.9   646.0   2.49      10.6
  ICO[ACT] =  5.8 $CO HOT TRANS   4.59   92.3   608.8   4.44      11.5
  ICO[SPEC] = N/A $CO 75 FTP      4.92  107.2   650.6   3.25      10.6
  OTHER TESTS:        MODAL

3122 73 MERC MONT 400 COLD TRANS  5.44   65.8   590.0   4.49      12.5
  IHC= 180 PPM HEXANE COLD STAB   4.79   72.1   581.3   3.00      12.5
  ICO[ACT] =  1.6 $CO HOT TRANS   4.53   54.0   521.9   4.04      14.3
  ICO[SPEC] = N/A $CO 75 FTP      4.85   65.9   566.9   3.59      12.9
  OTHER TESTS:        MODAL

3123 73 OLDS STAW 455 COLD TRANS  4.67   95.9   684.9   3.55      10.4
  IHC= 100 PPM HEXANE COLD STAB   3.57   56.5   678.9   2.10      11.4
  ICO[ACT] =  1.0 $CO HOT TRANS   3.28   36.5   634.1   3.59      12.6
  ICO[SPEC]=  0.3 $CO 75 FTP      3.72   59.1   667.9   2.81      11.5
  OTHER TESTS:        MODAL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH NO.	YR	MAKE	MODL	CID	TEST	TYPE	-----GRAMS PER MILE----- HC	CO	CO_2	NOx_o	MPG FUEL ECON
3124	73	OLDS	CUTL	350	COLD	TRANS	3.52	60.0	672.0	2.24	11.4
IHC= 100 PPM HEXANE					COLD	STAB	3.02	34.0	667.8	1.63	12.1
ICO[ACT] = 1.8 %CO					HOT	TRANS	3.15	48.7	596.1	1.90	13.0
ICO[SPEC]= 0.3 %CO					75	FTP	3.16	43.4	649.1	1.83	12.2
OTHER TESTS:					MODAL						
3125	73	PLYM	SATE	318	COLD	TRANS	6.10	100.5	497.5	3.16	13.2
IHC= 210 PPM HEXANE					COLD	STAB	4.44	93.2	471.7	1.40	14.0
ICO[ACT] = 3.6 %CO					HOT	TRANS	4.85	84.6	439.4	3.25	15.1
ICO[SPEC]= 0.5 %CO					75	FTP	4.90	92.3	468.2	2.27	14.1
OTHER TESTS:					MODAL						
3126	73	PLYM	VALI	225	COLD	TRANS	6.25	142.0	359.1	2.77	14.7
IHC= 240 PPM HEXANE					COLD	STAB	4.28	82.8	374.0	2.63	17.1
ICO[ACT] = 6.2 %CO					HOT	TRANS	4.37	100.9	330.7	3.01	17.6
ICO[SPEC]= 0.5 %CO					75	FTP	4.71	99.9	359.1	2.76	16.7
OTHER TESTS:					MODAL						
3127	73	PONT	CATA	400	COLD	TRANS	4.60	76.8	688.9	4.13	10.8
IHC= 450 PPM HEXANE					COLD	STAB	4.64	97.1	602.1	2.36	11.5
ICO[ACT] = 10.0 %CO					HOT	TRANS	4.70	60.2	545.8	5.69	13.5
ICO[SPEC]= 0.2 %CO					75	FTP	4.65	82.8	604.6	3.64	11.8
OTHER TESTS:					MODAL						
3128	73	PONT	STAW	350	COLD	TRANS	6.85	132.9	702.1	1.85	9.5
IHC= 310 PPM HEXANE					COLD	STAB	4.69	78.9	789.8	1.06	9.6
ICO[ACT] = 7.6 %CO					HOT	TRANS	4.87	93.1	660.0	1.27	10.8
ICO[SPEC]= 0.2 %CO					75	FTP	5.19	93.9	736.3	1.28	9.9
OTHER TESTS:					MODAL						
3129	73	DATS	240Z	146	COLD	TRANS	3.98	22.7	400.2	2.25	19.8
IHC= 50 PPM HEXANE					COLD	STAB	2.31	25.0	413.5	1.65	19.3
ICO[ACT] = 2.0 %CO					HOT	TRANS	3.66	28.7	336.2	2.02	22.6
ICO[SPEC]= 1.6 %CO					75	FTP	3.02	25.6	389.7	1.87	20.2
OTHER TESTS:					MODAL						
3130	73	OPEL	MANT	116	COLD	TRANS	3.95	74.6	309.3	1.57	20.2
IHC= 70 PPM HEXANE					COLD	STAB	2.78	68.9	321.9	0.84	20.2
ICO[ACT] = 4.0 %CO					HOT	TRANS	2.64	51.3	279.6	1.52	24.1
ICO[SPEC] = N/A %CO					75	FTP	2.98	65.3	307.8	1.18	21.1
OTHER TESTS:					MODAL						

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                         MPG
VEH                                        -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE      HC      CO      CO2     NOxc    ECON
-----------------------------------------------------------------------------
3131 73 TOYO CORO  97 COLD TRANS    3.81    42.8    250.9    3.65    26.9
  IHC= 340 PPM HEXANE COLD STAB     2.76    34.1    260.0    1.74    27.5
  ICO[ACT] =  0.3 $CO HOT TRANS     2.79    32.4    231.1    3.27    30.5
  ICO[SPEC]=  4.0 $CO 75 FTP        2.99    35.4    250.2    2.55    28.1
  OTHER TESTS:        MODAL

3132 73 VOLK STAW 103 COLD TRANS    3.92    36.7    446.2    5.16    17.2
  IHC= 120 PPM HEXANE COLD STAB     2.09    30.9    415.2    2.56    18.9
  ICO[ACT] =  0.2 $CO HOT TRANS     2.35    33.5    381.6    4.06    20.1
  ICO[SPEC] = N/A $CO 75 FTP        2.54    32.8    412.4    3.50    18.8
  OTHER TESTS:        MODAL

3133 73 VOLK SEDA  97 COLD TRANS    6.53    72.0    245.0    1.42    23.4
  IHC=1450 PPM HEXANE COLD STAB     5.09    59.7    242.3    0.91    25.2
  ICO[ACT] =  4.2 $CO HOT TRANS     4.14    54.1    234.4    1.42    26.7
  ICO[SPEC] = N/A $CO 75 FTP        5.13    60.7    240.7    1.16    25.2
  OTHER TESTS:        MODAL

2134 72 AMC  GREM 258 COLD TRANS    3.95    68.1    426.2    3.48    16.3
  IHC= 105 PPM HEXANE COLD STAB     3.33    75.6    380.7    1.41    17.4
  ICO[ACT] =  2.7 $CO HOT TRANS     3.20    43.4    379.1    3.65    19.4
  ICO[SPEC]=  1.5 $CO 75 FTP        3.42    65.3    389.7    2.45    17.6
  OTHER TESTS:        MODAL

2135 72 BUIC STAW 455 COLD TRANS    9.22    89.4    702.7    5.17    10.2
  IHC= 820 PPM HEXANE COLD STAB    10.79    30.4    683.2    3.75    11.6
  ICO[ACT] =  0.3 $CO HOT TRANS     9.10    53.2    584.5    5.12    12.7
  ICO[SPEC] = N/A $CO 75 FTP       10.00    48.8    660.3    4.42    11.5
  OTHER TESTS:        MODAL

2136 72 CADI DEVI 472 COLD TRANS    3.11    97.5    833.0    2.76     8.9
  IHC=  25 PPM HEXANE COLD STAB     2.67    52.7    771.0    1.82    10.3
  ICO[ACT] =  1.1 $CO HOT TRANS     2.69    61.3    693.9    2.64    11.1
  ICO[SPEC] = N/A $CO 75 FTP        2.76    64.3    762.7    2.24    10.2
  OTHER TESTS:        MODAL

2137 72 CHEV STAW 140 COLD TRANS    7.15    95.3    381.4    1.96    16.0
  IHC= 250 PPM HEXANE COLD STAB     3.43    66.7    471.3    1.48    15.1
  ICO[ACT] =  0.4 $CO HOT TRANS     5.74    69.4    346.7    1.73    18.7
  ICO[SPEC] = N/A $CO 75 FTP        4.83    73.3    418.8    1.65    16.2
  OTHER TESTS:        MODAL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH NO. YR MAKE MODL CID	TEST TYPE	GRAMS PER MILE HC	CO	CO_2	NOx_c	MPG FUEL ECON
2138 72 CHEV MALI 350	COLD TRANS	7.99	115.2	549.9	2.34	11.7
IHC= 400 PPM HEXANE	COLD STAB	7.00	116.2	518.1	1.08	12.3
ICO[ACT] = 6.2 %CO	HOT TRANS	6.04	82.5	463.6	2.16	14.5
ICO[SPEC] = N/A %CO	75 FTP	6.94	106.8	509.8	1.64	12.7
OTHER TESTS:	MODAL					
2139 72 CHEV ELCA 350	COLD TRANS	5.52	71.3	512.0	2.95	13.8
IHC= 450 PPM HEXANE	COLD STAB	6.53	101.3	433.9	1.27	14.5
ICO[ACT] = 6.8 %CO	HOT TRANS	5.68	69.0	439.8	2.66	15.7
ICO[SPEC] = N/A %CO	75 FTP	6.09	86.3	451.6	1.99	14.6
OTHER TESTS:	MODAL					
2140 72 CHEV NOVA 307	COLD TRANS	6.06	62.3	461.6	3.45	15.3
IHC= 400 PPM HEXANE	COLD STAB	4.71	58.8	451.0	2.45	15.9
ICO[ACT] = 8.0 %CO	HOT TRANS	4.59	56.9	416.1	3.38	17.1
ICO[SPEC] = N/A %CO	75 FTP	4.95	59.0	443.7	2.91	16.1
OTHER TESTS:	MODAL					
2141 72 CHEV IMPA 400	COLD TRANS	5.76	121.6	566.6	3.76	11.4
IHC= 280 PPM HEXANE	COLD STAB	4.12	85.6	582.3	2.17	12.2
ICO[ACT] = 5.0 %CO	HOT TRANS	3.95	73.5	526.7	4.36	13.6
ICO[SPEC] = N/A %CO	75 FTP	4.41	89.7	563.9	3.10	12.3
OTHER TESTS:	MODAL					
2142 72 CHEV IMPA 400	COLD TRANS	24.64	121.4	683.3	3.63	9.3
IHC=1100 PPM HEXANE	COLD STAB	24.46	18.1	718.4	2.92	10.8
ICO[ACT] = 0.1 %CO	HOT TRANS	14.76	31.3	615.7	3.99	12.5
ICO[SPEC] = N/A %CO	75 FTP	21.85	43.0	683.2	3.36	10.8
OTHER TESTS:	MODAL					
2143 72 DODG CHAR 318	COLD TRANS	6.72	107.2	436.3	2.37	14.2
IHC= 420 PPM HEXANE	COLD STAB	4.54	73.6	441.1	1.97	15.5
ICO[ACT] = 1.9 %CO	HOT TRANS	4.59	70.9	402.3	2.64	16.0
ICO[SPEC]= 0.5 %CO	75 FTP	5.00	79.8	429.5	2.23	15.6
OTHER TESTS:	MODAL					
2144 72 FORD PINT 122	COLD TRANS	6.24	77.0	260.2	2.26	22.1
IHC= 410 PPM HEXANE	COLD STAB	5.89	72.6	257.1	1.36	22.8
ICO[ACT] = 5.6 %CO	HOT TRANS	4.62	56.6	242.5	2.21	25.6
ICO[SPEC]= 1.3 %CO	75 FTP	5.61	69.1	253.8	1.77	23.3
OTHER TESTS:	MODAL					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH NO. YR MAKE MODL CID	TEST TYPE	-----GRAMS PER MILE-----				MPG FUEL ECON
		HC	CO	CO_2	NOx_c	
2145 72 FORD TORI 351	COLD TRANS	5.09	103.8	551.9	3.57	12.1
IHC= 60 PPM HEXANE	COLD STAB	3.80	102.5	577.0	2.22	11.8
ICO[ACT] = 3.0 %CO	HOT TRANS	5.04	91.6	495.4	3.72	13.5
ICO[SPEC] = N/A %CO	75 FTP	4.40	99.8	549.6	2.90	12.3
OTHER TESTS:	MODAL					
2146 72 FORD MAVE 302	COLD TRANS	6.32	117.9	456.3	3.67	13.4
IHC= 210 PPM HEXANE	COLD STAB	4.20	66.4	428.0	2.28	16.3
ICO[ACT] = 2.8 %CO	HOT TRANS	4.57	50.9	408.2	4.82	17.7
ICO[SPEC]= 0.2 %CO	75 FTP	4.74	72.7	428.4	3.26	15.9
OTHER TESTS:	MODAL					
2147 72 FORD GALA 351	COLD TRANS	6.11	120.5	530.4	3.63	12.0
IHC= 220 PPM HEXANE	COLD STAB	4.45	133.4	528.8	1.57	11.8
ICO[ACT] = 8.0 %CO	HOT TRANS	5.72	99.6	461.8	3.52	13.9
ICO[SPEC] = N/A %CO	75 FTP	5.14	121.5	510.9	2.53	12.4
OTHER TESTS:	MODAL					
2148 72 FORD STAW 400	COLD TRANS	6.84	63.2	681.4	5.79	11.1
IHC= 145 PPM HEXANE	COLD STAB	4.40	52.8	632.6	3.43	12.2
ICO[ACT] = 2.1 %CO	HOT TRANS	5.52	44.2	579.7	6.41	13.3
ICO[SPEC]= 0.1 %CO	75 FTP	5.21	52.6	628.2	4.73	12.2
OTHER TESTS:	MODAL					
2149 72 MERC MONG 400	COLD TRANS	3.72	70.8	687.4	4.82	11.0
IHC= 100 PPM HEXANE	COLD STAB	2.88	62.5	696.7	2.66	11.0
ICO[ACT] = 6.0 %CO	HOT TRANS	3.22	53.7	602.6	5.13	12.7
ICO[SPEC]= 0.1 %CO	75 FTP	3.14	61.8	669.1	3.78	11.4
OTHER TESTS:	MODAL					
2150 72 OLDS CUTL 350	COLD TRANS	5.59	104.3	540.9	3.58	12.3
IHC= 100 PPM HEXANE	COLD STAB	4.54	95.5	562.7	1.86	12.2
ICO[ACT] = 1.8 %CO	HOT TRANS	4.97	70.9	502.1	3.72	14.1
ICO[SPEC] = N/A %CO	75 FTP	4.87	90.6	541.7	2.72	12.7
OTHER TESTS:	MODAL					
2151 72 PLYM DUST 225	COLD TRANS	7.04	123.7	328.3	3.20	16.3
IHC= 200 PPM HEXANE	COLD STAB	3.45	44.3	332.8	3.79	21.5
ICO[ACT] = 1.2 %CO	HOT TRANS	3.47	59.0	320.3	4.37	20.9
ICO[SPEC]= 0.5 %CO	75 FTP	4.20	64.6	328.5	3.83	20.0
OTHER TESTS:	MODAL					

APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

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                                                                 MPG
VEH                                  -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2   NOxc   ECON
---------------------------------------------------------------------
2152 72 PLYM FRY3 360 COLD TRANS  7.71  129.0  524.4  3.16   11.8
  IHC= 160 PPM HEXANE COLD STAB   6.32   91.2  508.0  3.25   13.2
  ICO[ACT] =  3.8 %CO HOT TRANS   5.73   80.0  474.0  4.16   14.4
  ICO[SPEC]=  0.5 %CO 75 FTP      6.44   96.0  502.1  3.48   13.2
  OTHER TESTS:        MODAL

2153 72 PONT CATA 400 COLD TRANS  6.30   85.8  568.9  4.74   12.3
  IHC= 210 PPM HEXANE COLD STAB   3.78   47.3  581.2  2.36   13.3
  ICO[ACT] =  3.6 %CO HOT TRANS   4.82   30.4  514.9  5.63   15.4
  ICO[SPEC] = N/A %CO 75 FTP      4.58   50.6  560.6  3.74   13.6
  OTHER TESTS:        MODAL

2154 72 PONT VENT 350 COLD TRANS  7.08   69.8  561.2  3.48   12.8
  IHC=2000 PPM HEXANE COLD STAB  10.04  113.5  492.5  1.85   12.6
  ICO[ACT] = 10.0 %CO HOT TRANS   6.65   62.8  481.2  3.27   14.8
  ICO[SPEC] = N/A %CO 75 FTP      8.51   90.7  503.6  2.58   13.2
  OTHER TESTS:        MODAL

2155 72 DATS 510   97 COLD TRANS  4.03   76.9  255.2  1.53   22.8
  IHC= 280 PPM HEXANE COLD STAB   1.85   32.6  254.4  1.26   28.5
  ICO[ACT] =  3.4 %CO HOT TRANS   2.28   36.0  235.3  1.88   29.7
  ICO[SPEC]=  2.0 %CO 75 FTP      2.42   42.6  249.3  1.49   27.4
  OTHER TESTS:        MODAL

2156 72 TOYO CORO 120 COLD TRANS  3.15   37.9  348.7  3.58   21.2
  IHC= 160 PPM HEXANE COLD STAB   2.78   52.0  347.0  1.55   20.3
  ICO[ACT] =  0.4 %CO HOT TRANS   3.66   30.3  314.9  3.28   23.7
  ICO[SPEC]=  3.0 %CO 75 FTP      3.09   43.2  338.6  2.44   21.3
  OTHER TESTS:        MODAL

2157 72 VOLK SEDA  97 COLD TRANS  5.59   68.0  277.4  1.92   22.1
  IHC= 440 PPM HEXANE COLD STAB   5.11   73.2  281.2  0.94   21.5
  ICO[ACT] =  8.0 %CO HOT TRANS   3.97   52.8  259.0  1.75   25.0
  ICO[SPEC]=  3.0 %CO 75 FTP      4.90   66.6  274.4  1.36   22.5
  OTHER TESTS:        MODAL

2158 72 VOLK SEDA  97 COLD TRANS  5.02   60.5  298.3  2.71   21.7
  IHC= 230 PPM HEXANE COLD STAB   3.44   52.5  303.3  1.39   22.4
  ICO[ACT] =  4.2 %CO HOT TRANS   3.18   43.8  268.9  2.11   25.5
  ICO[SPEC] = N/A %CO 75 FTP      3.69   51.8  292.9  1.86   23.0
  OTHER TESTS:        MODAL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

DENVER

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                                                                  MPG
VEH                                   -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST   TYPE   HC     CO     CO2    NOxc   ECON
----------------------------------------------------------------------
1159 71 BUIC STAW 455 COLD TRANS  16.74  215.7   688.1   3.47    8.2
  IHC= 370 PPM HEXANE COLD STAB   13.65  127.1   791.0   2.48    8.6
  ICO[ACT] =  1.9 $CO HOT TRANS    9.10   96.6   677.7   4.82   10.3
  ICO[SPEC] = N/A $CO 75 FTP      13.04  137.0   738.9   3.32    8.9
  OTHER TESTS:        MODAL

1160 71 BUIC RIVI 455 COLD TRANS  21.45  157.9   718.2   4.49    8.6
  IHC=2000 PPM HEXANE COLD STAB   18.58  153.1   675.3   1.94    9.1
  ICO[ACT] =  9.8 $CO HOT TRANS   12.50  102.8   602.9   3.75   11.0
  ICO[SPEC] = N/A $CO 75 FTP      17.51  140.4   664.4   2.96    9.4
  OTHER TESTS:        MODAL

1161 71 CHEV VEGA 140 COLD TRANS  23.22  201.3   260.2   0.64   13.6
  IHC= 120 PPM HEXANE COLD STAB    7.69  111.3   303.5   0.88   17.7
  ICO[ACT] =  1.0 $CO HOT TRANS    6.95  116.7   252.7   0.91   19.4
  ICO[SPEC] = N/A $CO 75 FTP      10.68  131.3   280.7   0.84   17.0
  OTHER TESTS:        MODAL

1162 71 CHEV NOVA 350 COLD TRANS  13.57  218.7   513.9   1.51    9.9
  IHC= 400 PPM HEXANE COLD STAB    7.53  137.3   507.1   1.21   11.9
  ICO[ACT] =  7.2 $CO HOT TRANS    6.27  120.5   458.7   1.91   13.3
  ICO[SPEC] = N/A $CO 75 FTP       8.43  149.5   495.3   1.46   11.7
  OTHER TESTS:        MODAL

1163 71 CHEV NOVA 250 COLD TRANS   9.70   85.3   521.2   2.60   12.9
  IHC= 760 PPM HEXANE COLD STAB   11.63   14.0   498.9   2.19   15.9
  ICO[ACT] =  0.1 $CO HOT TRANS    5.27   19.4   443.8   3.21   18.1
  ICO[SPEC] = N/A $CO 75 FTP       9.50   30.2   488.5   2.55   15.7
  OTHER TESTS:        MODAL

1164 71 CHEV IMPA 350 COLD TRANS   7.03  122.0   529.4   3.87   11.9
  IHC= 200 PPM HEXANE COLD STAB    4.47   70.4   519.0   2.36   13.8
  ICO[ACT] =  1.3 $CO HOT TRANS    5.10   87.4   465.6   4.02   14.3
  ICO[SPEC] = N/A $CO 75 FTP       5.17   85.7   506.5   3.12   13.5
  OTHER TESTS:        MODAL

1165 71 CHEV IMPA 350 COLD TRANS  25.32  398.9   438.1   0.42    7.7
  IHC= 200 PPM HEXANE COLD STAB    9.47  316.5   458.1   0.42    9.0
  ICO[ACT] =  3.2 $CO HOT TRANS    7.74  246.1   387.8   0.49   11.1
  ICO[SPEC] = N/A $CO 75 FTP      12.26  314.3   434.8   0.44    9.2
  OTHER TESTS:        MODAL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

DENVER

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                                                            MPG
VEH                              -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC    CO    CO2   NOxc  ECON
-----------------------------------------------------------------
1166 71 CHRY NEWY 440 COLD TRANS 9.63 158.8  563.6  2.19  10.5
  IHC= 170 PPM HEXANE COLD STAB  4.49  82.1  590.3  1.93  12.1
  ICO[ACT] =  2.7 %CO HOT TRANS  4.56  81.0  540.7  2.95  13.0
  ICO[SPEC] = N/A %CO 75 FTP     5.57  97.6  571.3  2.26  12.0
  OTHER TESTS:        MODAL

1167 71 DODG STAW 318 COLD TRANS 5.25  72.5  509.6  3.73  13.9
  IHC=  60 PPM HEXANE COLD STAB  4.50  29.3  473.3  2.69  16.6
  ICO[ACT] =  0.1 %CO HOT TRANS  4.73  41.8  437.3  4.21  17.1
  ICO[SPEC] = N/A %CO 75 FTP     4.71  41.6  470.9  3.32  16.1
  OTHER TESTS:        MODAL

1168 71 FORD PINT 122 COLD TRANS 5.69  73.5  253.1  2.90  22.9
  IHC= 250 PPM HEXANE COLD STAB  5.01  62.7  261.3  2.18  23.6
  ICO[ACT] =  5.8 %CO HOT TRANS  3.34  42.0  239.9  3.49  28.0
  ICO[SPEC] = N/A %CO 75 FTP     4.70  59.3  253.8  2.68  24.5
  OTHER TESTS:        MODAL

1169 71 FORD TORI 302 COLD TRANS 5.66  77.1  468.7  4.05  14.6
  IHC=  55 PPM HEXANE COLD STAB  4.48  66.7  448.7  1.86  15.6
  ICO[ACT] =  1.6 %CO HOT TRANS  5.75  54.8  416.4  4.50  17.0
  ICO[SPEC]=  0.4 %CO 75 FTP     5.07  65.6  444.0  3.03  15.8
  OTHER TESTS:        MODAL

1170 71 FORD MAVE 200 COLD TRANS 5.42  86.1  390.7  3.41  16.3
  IHC= 300 PPM HEXANE COLD STAB  3.97  69.3  375.1  2.48  17.9
  ICO[ACT] =  3.6 %CO HOT TRANS  3.87  51.2  344.2  3.70  20.3
  ICO[SPEC] = N/A %CO 75 FTP     4.24  67.8  369.9  3.00  18.1
  OTHER TESTS:        MODAL

1171 71 FORD GALA 351 COLD TRANS 5.77 101.7  550.1  3.94  12.2
  IHC= 100 PPM HEXANE COLD STAB  3.46  62.3  569.3  2.42  13.1
  ICO[ACT] =  3.6 %CO HOT TRANS  3.93  49.1  502.9  4.29  15.0
  ICO[SPEC]=  0.2 %CO 75 FTP     4.07  66.8  547.2  3.25  13.3
  OTHER TESTS:        MODAL

1172 71 FORD LTD  400 COLD TRANS 5.14  97.0  608.6  4.27  11.4
  IHC= 300 PPM HEXANE COLD STAB  4.40  91.3  565.2  3.27  12.3
  ICO[ACT] =  6.8 %CO HOT TRANS  3.90  55.7  539.6  4.98  13.9
  ICO[SPEC]=  0.7 %CO 75 FTP     4.42  82.8  567.1  3.94  12.5
  OTHER TESTS:        MODAL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH NO. YR MAKE MODL CID	TEST TYPE	HC	CO	CO$_2$	NOx$_c$	MPG FUEL ECON
		-----GRAMS PER MILE-----				
1173 71 MERC COUG 351	COLD TRANS	4.52	69.6	553.3	3.46	13.1
IHC= 100 PPM HEXANE	COLD STAB	3.49	47.6	556.4	1.90	13.8
ICO[ACT] = 2.5 %CO	HOT TRANS	3.66	35.8	496.1	3.46	15.7
ICO[SPEC] = N/A %CO	75 FTP	3.75	48.9	539.3	2.65	14.1
OTHER TESTS:	MODAL					
1174 71 OLDS NNTY 455	COLD TRANS	6.07	105.8	684.6	3.46	10.2
IHC= 100 PPM HEXANE	COLD STAB	3.05	72.7	660.1	1.91	11.3
ICO[ACT] = 2.0 %CO	HOT TRANS	3.60	70.3	575.0	3.38	12.7
ICO[SPEC] = N/A %CO	75 FTP	3.82	78.9	641.9	2.63	11.4
OTHER TESTS:	MODAL					
1175 71 PLYM SATE 318	COLD TRANS	7.02	133.6	456.5	1.93	12.9
IHC= 240 PPM HEXANE	COLD STAB	5.12	101.4	459.0	1.39	14.0
ICO[ACT] = 6.0 %CO	HOT TRANS	4.81	76.2	406.0	2.40	16.4
ICO[SPEC] = N/A %CO	75 FTP	5.42	101.1	444.0	1.77	14.3
OTHER TESTS:	MODAL					
1176 71 PONT STAW 455	COLD TRANS	4.85	75.5	710.2	6.09	10.5
IHC= 220 PPM HEXANE	COLD STAB	5.06	70.5	680.7	3.95	11.0
ICO[ACT] = 3.5 %CO	HOT TRANS	4.70	53.5	601.2	6.66	12.7
ICO[SPEC] = N/A %CO	75 FTP	4.92	66.9	665.1	5.13	11.3
OTHER TESTS:	MODAL					
1177 71 PONT LEMA 350	COLD TRANS	9.60	160.2	473.9	2.23	11.7
IHC= 500 PPM HEXANE	COLD STAB	6.77	125.5	467.6	1.16	12.9
ICO[ACT] = 7.8 %CO	HOT TRANS	5.61	76.9	443.1	3.29	15.3
ICO[SPEC] = N/A %CO	75 FTP	7.04	119.4	462.2	1.96	13.2
OTHER TESTS:	MODAL					
1178 71 DATS STAW 97	COLD TRANS	19.23	99.3	240.0	3.12	19.4
IHC= 685 PPM HEXANE	COLD STAB	6.38	63.4	246.1	2.17	24.3
ICO[ACT] = 5.3 %CO	HOT TRANS	5.07	45.4	229.1	3.39	28.0
ICO[SPEC]= 2.0 %CO	75 FTP	8.67	65.9	240.2	2.70	23.9
OTHER TESTS:	MODAL					
1179 71 TOYO CORO 113	COLD TRANS	5.72	57.5	312.0	2.14	21.1
IHC= 500 PPM HEXANE	COLD STAB	5.03	93.9	286.7	1.04	19.7
ICO[ACT] = 8.8 %CO	HOT TRANS	4.47	44.8	285.5	2.12	24.0
ICO[SPEC] = N/A %CO	75 FTP	5.02	73.0	291.6	1.56	21.0
OTHER TESTS:	MODAL					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

DENVER

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                                                                   MPG
VEH                                -----GRAMS PER MILE-----        FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO      CO2     NOxc    ECON
-----------------------------------------------------------------------
1180 71 VOLK STAW  97 COLD TRANS   4.84   68.1    371.3   2.74    18.0
  IHC= 300 PPM HEXANE COLD STAB    3.95   50.0    412.1   1.76    17.6
  ICO[ACT] =  3.8 %CO HOT TRANS    3.42   48.9    347.0   2.37    20.4
  ICO[SPEC]=  3.0 %CO 75 FTP       3.99   53.4    385.9   2.13    18.4
  OTHER TESTS:        MODAL

0181 70 AMC  HORN 232 COLD TRANS   3.92   52.1    372.4   3.30    19.0
  IHC= 200 PPM HEXANE COLD STAB    3.83   75.2    339.9   1.95    18.9
  ICO[ACT] =  4.5 %CO HOT TRANS    3.84   49.5    340.5   3.44    20.6
  ICO[SPEC] = N/A %CO 75 FTP       3.85   63.5    346.8   2.63    19.3
  OTHER TESTS:        MODAL

0182 70 BUIC GRAN 455 COLD TRANS   6.55   78.5    603.4   6.86    11.9
  IHC= 200 PPM HEXANE COLD STAB    6.54  128.8    509.8   2.61    12.1
  ICO[ACT] =  4.5 %CO HOT TRANS    5.24   83.5    478.2   5.60    14.2
  ICO[SPEC] = N/A %CO 75 FTP       6.19  106.1    520.4   4.30    12.6
  OTHER TESTS:        MODAL

0183 70 CHEV CHEL 307 COLD TRANS   7.34   71.2    450.6   4.24    15.2
  IHC= 925 PPM HEXANE COLD STAB    6.69   82.8    413.9   2.47    15.7
  ICO[ACT] =  5.2 %CO HOT TRANS    5.43   57.7    393.4   3.95    17.7
  ICO[SPEC] = N/A %CO 75 FTP       6.48   73.6    415.9   3.24    16.1
  OTHER TESTS:        MODAL

0184 70 CHEV CHEL 307 COLD TRANS  11.24  184.4    385.1   1.15    12.5
  IHC= 310 PPM HEXANE COLD STAB    7.14  114.0    394.4   1.19    14.9
  ICO[ACT] =  6.8 %CO HOT TRANS    6.82  109.5    362.7   1.70    15.9
  ICO[SPEC] = N/A %CO 75 FTP       7.90  127.3    383.9   1.32    14.6
  OTHER TESTS:        MODAL

0185 70 CHEV MONT 350 COLD TRANS  11.92  191.0    452.0   1.49    11.2
  IHC= 240 PPM HEXANE COLD STAB    3.65   39.7    549.8   1.70    14.2
  ICO[ACT] =  1.2 %CO HOT TRANS    3.91   47.2    460.6   2.52    16.2
  ICO[SPEC] = N/A %CO 75 FTP       5.42   72.9    505.3   1.88    13.9
  OTHER TESTS:        MODAL

0186 70 CHEV IMPA 350 COLD TRANS   6.72  155.8    463.1   1.64    12.2
  IHC= 160 PPM HEXANE COLD STAB    5.70  161.0    504.6   0.98    11.4
  ICO[ACT] =  5.6 %CO HOT TRANS    5.05  127.6    417.7   1.34    14.0
  ICO[SPEC] = N/A %CO 75 FTP       5.73  150.8    472.3   1.21    12.2
  OTHER TESTS:        MODAL
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

DENVER

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                                                                    MPG
VEH                                    -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2    NOxc       ECON
-----------------------------------------------------------------------
0187 70 CHEV STAW 400 COLD TRANS  6.41 102.2   511.3  4.78  12.8
  IHC= 710 PPM HEXANE COLD STAB   4.12  44.8   500.9  3.80  15.2
  ICO[ACT] =  2.3 $CO HOT TRANS   3.78  41.5   459.4  5.50  16.5
  ICO[SPEC] = N/A $CO 75 FTP      4.50  55.7   491.7  4.47  15.0
  OTHER TESTS:        MODAL

0188 70 DODG CHAL 225 COLD TRANS 17.63 175.1   302.5  2.03  14.0
  IHC= 500 PPM HEXANE COLD STAB   8.83 141.7   294.6  1.42  16.3
  ICO[ACT] =  9.4 $CO HOT TRANS   6.67 111.7   296.6  2.60  18.0
  ICO[SPEC] = N/A $CO 75 FTP     10.05 140.4   296.8  1.87  16.2
  OTHER TESTS:        MODAL

0189 70 FORD MUST 302 COLD TRANS  6.50  81.8   419.3  3.37  15.6
  IHC= 220 PPM HEXANE COLD STAB   4.82  71.2   415.7  1.66  16.4
  ICO[ACT] =  3.7 $CO HOT TRANS   6.54  55.6   375.6  3.57  18.3
  ICO[SPEC] = N/A $CO 75 FTP      5.63  69.1   405.5  2.53  16.7
  OTHER TESTS:        MODAL

0190 70 FORD LTD  390 COLD TRANS 11.60  97.0   561.3  3.92  11.8
  IHC= 550 PPM HEXANE COLD STAB   7.25  96.1   494.8  2.09  13.3
  ICO[ACT] =  8.5 $CO HOT TRANS   7.82  89.0   487.8  3.47  13.6
  ICO[SPEC] = N/A $CO 75 FTP      8.30  94.3   506.6  2.84  13.0
  OTHER TESTS:        MODAL

0191 70 FORD GALA 351 COLD TRANS 11.72 229.5   427.5  1.23  10.8
  IHC= 360 PPM HEXANE COLD STAB   5.46  76.6   466.1  3.23  14.7
  ICO[ACT] =  6.0 $CO HOT TRANS   5.13  55.6   437.9  4.82  16.4
  ICO[SPEC] = N/A $CO 75 FTP      6.66 102.3   450.5  3.25  14.0
  OTHER TESTS:        MODAL

0192 70 FORD TORI 351 COLD TRANS  4.36  53.0   570.8  3.34  13.3
  IHC= 170 PPM HEXANE COLD STAB   2.99  46.0   527.6  2.16  14.6
  ICO[ACT] =  4.4 $CO HOT TRANS   3.56  38.1   495.7  3.43  15.7
  ICO[SPEC] = N/A $CO 75 FTP      3.42  45.3   527.8  2.75  14.6
  OTHER TESTS:        MODAL

0193 70 MERC MONR 390 COLD TRANS  9.53 115.6   608.3  2.73  10.8
  IHC=1120 PPM HEXANE COLD STAB  10.62  80.7   544.2  2.20  12.6
  ICO[ACT] =  4.7 $CO HOT TRANS   8.86  68.1   535.1  3.40  13.2
  ICO[SPEC] = N/A $CO 75 FTP      9.91  84.5   554.9  2.64  12.3
  OTHER TESTS:        MODAL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

DENVER

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                                                                    MPG
VEH                                   -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE      HC     CO     CO2   NOxc     ECON
---------------------------------------------------------------------
0194 70 OLDS CUTL 350 COLD TRANS    7.97  168.2  461.6   1.91     11.8
  IHC= 450 PPM HEXANE COLD STAB     5.49   92.3  458.6   2.02     14.3
  ICO[ACT] =  2.4 %CO HOT TRANS     5.67  112.7  416.9   2.66     14.5
  ICO[SPEC]=  1.0 %CO 75 FTP        6.05  113.5  447.9   2.17     13.8
  OTHER TESTS:        MODAL

0195 70 PLYM FRY2 383 COLD TRANS   10.48  158.3  528.2   2.08     11.0
  IHC= 820 PPM HEXANE COLD STAB    10.07  139.8  498.2   1.82     11.8
  ICO[ACT] =  9.8 %CO HOT TRANS     6.80  112.0  487.3   2.24     13.0
  ICO[SPEC] = N/A %CO 75 FTP        9.26  136.0  501.4   1.99     11.9
  OTHER TESTS:        MODAL

0196 70 PLYM FRY2 318 COLD TRANS    6.57   90.9  517.2   4.43     13.0
  IHC= 500 PPM HEXANE COLD STAB     5.36   73.2  470.5   3.33     14.7
  ICO[ACT] =  3.5 %CO HOT TRANS     5.35   73.9  448.1   4.25     15.3
  ICO[SPEC] = N/A %CO 75 FTP        5.60   77.1  474.0   3.81     14.5
  OTHER TESTS:        MODAL

0197 70 PONT LEMA 350 COLD TRANS    4.00   43.6  624.5   3.95     12.6
  IHC=  75 PPM HEXANE COLD STAB     3.02   14.7  641.8   3.11     13.2
  ICO[ACT] =  0.3 %CO HOT TRANS     2.83   23.0  538.6   4.36     15.2
  ICO[SPEC] = N/A %CO 75 FTP        3.17   22.9  610.1   3.63     13.5
  OTHER TESTS:        MODAL

0198 70 DATS STAW  97 COLD TRANS    8.08   44.0  304.3   3.82     22.2
  IHC=  35 PPM HEXANE COLD STAB     3.56   27.1  291.7   2.85     25.7
  ICO[ACT] =  2.2 %CO HOT TRANS     3.16   24.7  267.7   4.09     28.0
  ICO[SPEC] = N/A %CO 75 FTP        4.38   29.9  287.7   3.39     25.5
  OTHER TESTS:        MODAL

0199 70 TOYO CORO 113 COLD TRANS    5.44   71.3  323.2   4.70     19.6
  IHC= 180 PPM HEXANE COLD STAB     4.18  102.1  246.9   1.02     21.1
  ICO[ACT] =  2.7 %CO HOT TRANS     3.81   71.9  272.1   3.45     22.3
  ICO[SPEC] = N/A %CO 75 FTP        4.34   87.5  269.5   2.44     21.1
  OTHER TESTS:        MODAL

0200 70 VOLK SEDA  97 COLD TRANS    4.81   59.5  256.2   2.68     24.3
  IHC=  45 PPM HEXANE COLD STAB     4.33   56.3  273.0   1.83     23.7
  ICO[ACT] =  4.8 %CO HOT TRANS     3.58   47.9  232.2   2.41     27.8
  ICO[SPEC] = N/A %CO 75 FTP        4.23   54.7  258.4   2.16     24.8
  OTHER TESTS:        MODAL
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APPENDIX E

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                     MPG
VEH                                    -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST   TYPE      HC     CO     CO2    NOxc    ECON
--------------------------------------------------------------------------
7001 76 CHEV C10  350 COLD TRANS      5.24   69.3   574.2   3.02    12.7
  IHC= 385 PPM HEXANE COLD STAB       4.11   78.8   570.8   1.13    12.5
  ICO[ACT] =  6.3 %CO HOT TRANS       3.61   54.6   521.7   2.68    14.3
  ICO[SPEC] = N/A %CO 75 FTP          4.21   70.3   558.1   1.94    13.0
  OTHER TESTS:        MODAL  HFET   S/C SERIES

7002 76 CHEV VAN  350 COLD TRANS      1.48   29.1   698.4   3.46    11.9
  IHC=  45 PPM HEXANE COLD STAB       0.19    1.7   678.4   1.36    13.0
  ICO[ACT] =  0.0 %CO HOT TRANS       0.50    2.8   617.0   3.10    14.2
  ICO[SPEC] = N/A %CO 75 FTP          0.54    7.6   665.8   2.27    13.1
  OTHER TESTS:        MODAL  HFET   S/C SERIES

7003 76 CHEV C10  350 COLD TRANS      2.62   29.5   608.8   3.73    13.4
  IHC= 135 PPM HEXANE COLD STAB       0.80    8.9   603.1   1.68    14.3
  ICO[ACT] =  0.1 %CO HOT TRANS       0.98   15.1   564.1   3.49    15.0
  ICO[SPEC] = N/A %CO 75 FTP          1.22   14.8   593.7   2.60    14.3
  OTHER TESTS:        MODAL  HFET   S/C SERIES

7004 76 CHEV C10  350 COLD TRANS      1.10   14.8   771.3   5.07    11.1
  IHC=  35 PPM HEXANE COLD STAB       0.17    3.8   744.9   1.89    11.8
  ICO[ACT] =  0.0 %CO HOT TRANS       0.64    7.4   665.0   3.57    13.1
  ICO[SPEC] = N/A %CO 75 FTP          0.49    7.0   728.5   3.00    12.0
  OTHER TESTS:        MODAL  HFET   S/C SERIES

7005 76 DODG VAN  318 COLD TRANS      1.52   38.9   592.5   1.98    13.5
  IHC= 150 PPM HEXANE COLD STAB       1.12   42.6   592.9   1.66    13.4
  ICO[ACT] =  3.9 %CO HOT TRANS       0.98   19.9   537.5   2.32    15.5
  ICO[SPEC]=  0.3 %CO 75 FTP          1.16   35.6   577.7   1.91    13.9
  OTHER TESTS:        MODAL  HFET   S/C SERIES

7006 76 DODG VAN  225 COLD TRANS      8.74   84.5   537.4   3.06    12.7
  IHC=  17 PPM HEXANE COLD STAB       0.90   13.5   504.5   2.51    16.8
  ICO[ACT] =  0.0 %CO HOT TRANS       1.79   26.3   487.6   2.34    16.6
  ICO[SPEC]=  0.3 %CO 75 FTP          2.76   31.6   506.6   2.58    15.7
  OTHER TESTS:        MODAL  HFET   S/C SERIES

7007 76 FORD F100 302 COLD TRANS      1.38   15.3   697.7   2.35    12.2
  IHC=  40 PPM HEXANE COLD STAB       0.34    0.3   733.0   1.77    12.1
  ICO[ACT] =  0.0 %CO HOT TRANS       0.48    1.6   637.7   2.35    13.8
  ICO[SPEC] = N/A %CO 75 FTP          0.59    3.8   699.8   2.05    12.5
  OTHER TESTS:        MODAL  HFET   S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                   MPG
VEH                                     -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE      HC     CO    CO2    NOxc    ECON
-----------------------------------------------------------------------
7008 76 FORD F100 360 COLD TRANS    1.78   23.9   745.6   3.50    11.3
  IHC=  85 PPM HEXANE COLD STAB     1.22   18.6   746.9   2.64    11.4
  ICO[ACT] =  0.2 $CO HOT TRANS     1.41   11.5   654.8   3.20    13.1
  ICO[SPEC] = N/A $CO 75 FTP        1.39   17.7   721.5   2.97    11.8
  OTHER TESTS:        MODAL  HFET  S/C SERIES

7009 76 FORD F100 360 COLD TRANS    1.66   24.1   788.4   2.46    10.7
  IHC=  90 PPM HEXANE COLD STAB     1.24   17.0   841.6   1.39    10.2
  ICO[ACT] =  0.1 $CO HOT TRANS     1.65   14.7   709.1   2.49    12.0
  ICO[SPEC] = N/A $CO 75 FTP        1.44   17.8   794.5   1.91    10.7
  OTHER TESTS:        MODAL  HFET  S/C SERIES

7010 76 FORD COUR 110 COLD TRANS    2.03   28.3   431.2   1.33    18.4
  IHC=  85 PPM HEXANE COLD STAB     1.16   10.6   497.9   0.59    17.1
  ICO[ACT] =  1.2 $CO HOT TRANS     0.89   14.5   415.5   1.06    20.1
  ICO[SPEC] = N/A $CO 75 FTP        1.26   15.3   461.7   0.87    18.1
  OTHER TESTS:        MODAL  HFET  S/C SERIES

7011 75 CHEV C10  350 COLD TRANS    2.38   47.6   661.2   3.35    11.9
  IHC=  43 PPM HEXANE COLD STAB     1.64   38.7   664.2   1.25    12.2
  ICO[ACT] =  0.4 $CO HOT TRANS     1.24   22.0   609.2   2.87    13.7
  ICO[SPEC] = N/A $CO 75 FTP        1.68   36.0   648.6   2.12    12.5
  OTHER TESTS:        S/C SERIES

7012 75 CHEV G10  350 COLD TRANS    3.30   58.0   669.4   2.08    11.5
  IHC=  65 PPM HEXANE COLD STAB     0.41    0.0   667.1   1.38    13.3
  ICO[ACT] =  0.0 $CO HOT TRANS     0.79    1.6   636.1   2.07    13.8
  ICO[SPEC] = N/A $CO 75 FTP        1.11   12.4   659.1   1.71    13.0
  OTHER TESTS:        S/C SERIES

7013 75 CHEV VAN  350 COLD TRANS    1.40   18.1   690.3   2.69    12.3
  IHC=  60 PPM HEXANE COLD STAB     0.28    0.0   650.9   1.12    13.6
  ICO[ACT] =  0.1 $CO HOT TRANS     0.60    1.5   591.6   2.28    14.9
  ICO[SPEC] = N/A $CO 75 FTP        0.60    4.1   642.8   1.76    13.6
  OTHER TESTS:        S/C SERIES

7014 75 DODG B100 318 COLD TRANS    1.49   31.0   677.6   2.23    12.1
  IHC=  80 PPM HEXANE COLD STAB     0.12    0.8   670.2   1.93    13.2
  ICO[ACT] =  0.2 $CO HOT TRANS     0.51    2.4   592.6   2.49    14.8
  ICO[SPEC] = N/A $CO 75 FTP        0.51    7.5   650.6   2.15    13.4
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
VEH                                  -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc   ECON
--------------------------------------------------------------------
7015 75 FORD F100 302 COLD TRANS  1.04   16.5   728.8   2.00   11.7
  IHC=  40 PPM HEXANE COLD STAB   0.35    0.2   697.9   1.36   12.7
  ICO[ACT] =   0.0 %CO HOT TRANS  1.10    4.7   614.0   1.94   14.2
  ICO[SPEC] = N/A %CO 75 FTP      0.69    4.8   681.4   1.65   12.8
  OTHER TESTS:        S/C SERIES

7016 75 FORD F100 302 COLD TRANS  1.40   22.8   610.0   1.85   13.6
  IHC=  32 PPM HEXANE COLD STAB   0.42   10.8   695.0   1.23   12.4
  ICO[ACT] =   0.0 %CO HOT TRANS  0.81   17.8   558.4   2.01   15.1
  ICO[SPEC] = N/A %CO 75 FTP      0.73   15.2   640.2   1.57   13.3
  OTHER TESTS:        S/C SERIES

7017 75 FORD F100 360 COLD TRANS  0.32   24.1   891.2   1.87    9.5
  IHC=  40 PPM HEXANE COLD STAB   0.23   13.0   898.6   1.08    9.6
  ICO[ACT] =   3.0 %CO HOT TRANS  0.53   13.6   766.4   1.42   11.2
  ICO[SPEC] = N/A %CO 75 FTP      0.33   15.4   861.0   1.34   10.0
  OTHER TESTS:        S/C SERIES

6018 76 AMC  HORN 258 COLD TRANS  1.15   24.9   468.0   5.21   17.4
  IHC=  88 PPM HEXANE COLD STAB   0.96    7.6   445.8   4.14   19.3
  ICO[ACT] =   0.4 %CO HOT TRANS  1.01    4.2   420.4   5.30   20.6
  ICO[SPEC]=   1.0 %CO 75 FTP     1.01   10.2   443.4   4.68   19.2
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6019 76 BUIC REGA 350 COLD TRANS  1.43   21.0   656.2   3.06   12.8
  IHC=  25 PPM HEXANE COLD STAB   0.14    0.7   652.3   1.19   13.6
  ICO[ACT] =   0.0 %CO HOT TRANS  0.29    2.6   580.5   2.45   15.2
  ICO[SPEC] = N/A %CO 75 FTP      0.45    5.4   633.5   1.92   13.8
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6020 76 BUIC STAW 455 COLD TRANS  1.11   12.8   873.4   4.28    9.9
  IHC=  45 PPM HEXANE COLD STAB   0.27    4.6   852.9   1.44   10.3
  ICO[ACT] =   0.1 %CO HOT TRANS  1.32   12.0   769.6   3.09   11.2
  ICO[SPEC] = N/A %CO 75 FTP      0.73    8.3   834.4   2.47   10.4
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6021 76 CADI DEVI 500 COLD TRANS  1.76   17.6   835.3   2.62   10.2
  IHC=  33 PPM HEXANE COLD STAB   0.19    0.7   788.1   1.94   11.2
  ICO[ACT] =   0.0 %CO HOT TRANS  0.32    1.2   854.5   3.16   10.[illegible]
  ICO[SPEC] = N/A %CO 75 FTP      0.55    4.3   815.9   2.41   10.8
  OTHER TESTS:        MODAL  HFET  S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                    MPG
VEH                                   -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC     CO     CO2    NOxc    ECON
-----------------------------------------------------------------------
6022 76 CHEV IMPA 350 COLD TRANS     1.24   17.6   693.6   5.19    12.2
  IHC=  30 PPM HEXANE COLD STAB      0.20    3.6   675.2   2.23    13.0
  ICO[ACT] =  0.0 %CO HOT TRANS      0.38    3.8   599.7   3.87    14.6
  ICO[SPEC] = N/A %CO 75 FTP         0.47    6.6   658.4   3.29    13.2
  OTHER TESTS:        MODAL  HFET   S/C SERIES

6023 76 CHEV MONT 350 COLD TRANS     2.02   45.4   650.8   2.06    12.2
  IHC=  22 PPM HEXANE COLD STAB      0.17    3.4   703.4   1.03    12.5
  ICO[ACT] =  0.0 %CO HOT TRANS      0.39    5.2   594.7   1.82    14.7
  ICO[SPEC] = N/A %CO 75 FTP         0.61   12.5   662.9   1.46    13.0
  OTH ER TESTS:        MODAL  HFET   S/C SERIES

6024 76 CHEV VEGA 140 COLD TRANS     1.45   34.6   443.3   3.25    17.7
  IHC= 200 PPM HEXANE COLD STAB      1.10   40.2   391.7   1.35    19.4
  ICO[ACT] =  6.2 %CO HOT TRANS      0.95   26.1   362.8   3.04    21.8
  ICO[SPEC] = N/A %CO 75 FTP         1.13   35.2   394.4   2.20    19.6
  OTHER TESTS:        MODAL  HFET   S/C SERIES

6025 76 CHEV STAW 400 COLD TRANS     2.72   38.6   717.3   6.21    11.3
  IHC= 435 PPM HEXANE COLD STAB      3.63   82.3   643.8   2.80    11.3
  ICO[ACT] =  9.9 %CO HOT TRANS      2.20   36.9   639.3   5.40    12.6
  ICO[SPEC] = N/A %CO 75 FTP         3.05   60.9   657.7   4.21    11.6
  OTHER TESTS:        MODAL  HFET   S/C SERIES

6026 76 CHEV MALI 305 COLD TRANS     2.22   47.2   618.4   4.18    12.7
  IHC= 310 PPM HEXANE COLD STAB      2.50   80.4   594.5   1.56    12.2
  ICO[ACT] =  6.3 %CO HOT TRANS      1.32   33.3   529.1   3.14    15.2
  ICO[SPEC] = N/A %CO 75 FTP         2.12   60.7   581.6   2.53    13.0
  OTHER TESTS:        MODAL  HFET   S/C SERIES

6027 76 CHEV CAMA 250 COLD TRANS     1.77   33.7   509.4   2.72    15.6
  IHC= 380 PPM HEXANE COLD STAB      2.26   74.9   422.8   1.43    16.2
  ICO[ACT] =  9.2 %CO HOT TRANS      1.34   29.6   434.4   2.02    18.3
  ICO[SPEC] = N/A %CO 75 FTP         1.91   54.1   443.8   1.86    16.6
  OTHER TESTS:        MODAL  HFET   S/C SERIES

6028 76 CHEV CHET  85 COLD TRANS     3.91   39.4   269.8   1.90    25.8
  IHC= 640 PPM HEXANE COLD STAB      4.37   53.8   272.7   1.20    23.9
  ICO[ACT] = 10.0 %CO HOT TRANS      2.44   27.8   256.7   1.86    28.8
  ICO[SPEC] = N/A %CO 75 FTP         3.75   43.7   267.7   1.53    25.5
  OTHER TESTS:        MODAL  HFET   S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                          MPG
VEH                                       -----GRAMS PER MILE-----       FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC     CO     CO2    NOxc     ECON
------------------------------------------------------------------------------
6029 76 DODG DART 318 COLD TRANS    2.53   25.5   586.2   2.49    14.0
  IHC= 290 PPM HEXANE COLD STAB     1.97   18.0   551.1   2.05    15.2
  ICO[ACT] =  2.0 %CO HOT TRANS     1.75    8.4   509.3   2.71    16.8
  ICO[SPEC] = N/A %CO 75 FTP        2.02   16.9   546.9   2.32    15.3
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6030 76 DODG DART 225 COLD TRANS    1.11   13.5   464.3   3.80    18.1
  IHC=  50 PPM HEXANE COLD STAB     0.36    2.9   431.7   1.92    20.3
  ICO[ACT] =  0.0 %CO HOT TRANS     0.76    8.1   399.5   2.16    21.4
  ICO[SPEC]=  0.3 %CO 75 FTP        0.62    6.5   429.6   2.37    20.1
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6031 76 FORD MUST 140 COLD TRANS    0.95   12.9   506.6   2.38    16.8
  IHC=  45 PPM HEXANE COLD STAB     0.41    0.3   470.8   1.39    18.8
  ICO[ACT] =  0.0 %CO HOT TRANS     0.55    1.9   429.9   2.44    20.4
  ICO[SPEC] = N/A %CO 75 FTP        0.56    3.3   467.0   1.88    18.7
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6032 76 FORD LTD  400 COLD TRANS    2.32   49.5   760.1   1.83    10.5
  IHC= 410 PPM HEXANE COLD STAB     0.52   18.6   756.4   1.36    11.3
  ICO[ACT] =  9.5 %CO HOT TRANS     0.71   15.5   670.1   2.44    12.7
  ICO[SPEC] = N/A %CO 75 FTP        0.94   24.1   733.6   1.75    11.5
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6033 76 FORD ELIT 351 COLD TRANS    2.51   27.2   702.9   3.14    11.8
  IHC=  45 PPM HEXANE COLD STAB     1.08    9.6   691.0   2.37    12.5
  ICO[ACT] =  0.1 %CO HOT TRANS     1.17    8.4   633.4   3.08    13.6
  ICO[SPEC] = N/A %CO 75 FTP        1.40   12.9   677.7   2.72    12.6
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6034 76 FORD MAVE 250 COLD TRANS    1.15    4.3   543.5   2.08    16.0
  IHC=  30 PPM HEXANE COLD STAB     0.29    0.0   513.1   2.74    17.3
  ICO[ACT] =  0.1 %CO HOT TRANS     0.87    0.9   488.0   2.41    18.0
  ICO[SPEC] = N/A %CO 75 FTP        0.63    1.1   512.5   2.51    17.2
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6035 76 FORD GRAN 302 COLD TRANS    2.58   24.0   624.9   5.71    13.2
  IHC=  65 PPM HEXANE COLD STAB     0.79    9.0   622.7   3.55    13.9
  ICO[ACT] =  1.5 %CO HOT TRANS     0.88    4.8   573.6   5.45    15.2
  ICO[SPEC] = N/A %CO 75 FTP        1.18   10.9   609.8   4.51    14.1
  OTHER TESTS:        MODAL  HFET  S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                    MPG
                                        -----GRAMS PER MILE-----   FUEL
VEH
NO.  YR MAKE MODL CID TEST   TYPE     HC      CO     CO2    NOxc   ECON
-----------------------------------------------------------------------
6036 76 FORD STAW 351 COLD TRANS     0.91    15.7   758.0   1.99   11.3
  IHC=  50 PPM HEXANE COLD STAB      0.37     0.4   650.9   2.53   13.6
  ICO[ACT] =  0.0 $CO HOT TRANS      0.69     5.4   610.5   2.98   14.3
  ICO[SPEC] = N/A $CO 75 FTP         0.57     4.9   661.9   2.54   13.2
  OTHER TESTS:        MODAL  HFET  S/C  SERIES

6037 76 MERC MARQ 400 COLD TRANS     1.63    14.5   814.1   2.16   10.5
  IHC=  80 PPM HEXANE COLD STAB      0.70     0.2   781.6   2.32   11.3
  ICO[ACT] =  0.1 $CO HOT TRANS      0.90     7.9   676.0   2.65   12.8
  ICO[SPEC] = N/A $CO 75 FTP         0.94     5.2   759.5   2.38   11.5
  OTHER TESTS:        MODAL  HFET  S/C  SERIES

6038 76 MERC MONA 250 COLD TRANS     0.81     5.9   642.6   2.17   13.6
  IHC=  47 PPM HEXANE COLD STAB      0.39     0.0   564.4   1.80   15.7
  ICO[ACT] =  0.0 $CO HOT TRANS      0.71     0.5   547.3   2.15   16.1
  ICO[SPEC] = N/A $CO 75 FTP         0.56     1.4   575.8   1.97   15.3
  OTHER TESTS:        MODAL  HFET  S/C  SERIES

6039 76 OLDS CUTL 260 COLD TRANS     1.32    15.2   583.6   2.81   14.5
  IHC=  20 PPM HEXANE COLD STAB      0.12     0.7   540.2   1.55   16.4
  ICO[ACT] =  0.0 $CO HOT TRANS      0.56     8.6   495.2   2.58   17.4
  ICO[SPEC] = N/A $CO 75 FTP         0.49     5.8   536.8   2.09   16.2
  OTHER TESTS:        MODAL  HFET  S/C  SERIES

6040 76 OLDS CUTL 350 COLD TRANS     2.05    16.0   623.4   1.17   13.5
  IHC=  90 PPM HEXANE COLD STAB      1.13    10.1   577.1   1.03   14.9
  ICO[ACT] =  0.6 $CO HOT TRANS      1.22    12.8   542.7   1.20   15.7
  ICO[SPEC] = N/A $CO 75 FTP         1.34    12.0   577.3   1.10   14.8
  OTHER TESTS:        MODAL  HFET  S/C  SERIES

6041 76 OLDS NNTY 455 COLD TRANS     1.65    17.2   755.7   2.35   11.3
  IHC=  50 PPM HEXANE COLD STAB      0.43     5.5   711.7   1.24   12.3
  ICO[ACT] =  0.0 $CO HOT TRANS      0.81    13.3   669.7   2.06   12.8
  ICO[SPEC] = N/A $CO 75 FTP         0.78    10.1   709.3   1.69   12.2
  OTHER TESTS:        MODAL  HFET  S/C  SERIES

6042 76 PLYM VALI 225 COLD TRANS     1.66    23.0   462.0   4.22   17.6
  IHC=  50 PPM HEXANE COLD STAB      0.91     7.1   424.1   2.30   20.3
  ICO[ACT] =  0.0 $CO HOT TRANS      1.62    12.0   404.1   2.99   20.7
  ICO[SPEC] = N/A $CO 75 FTP         1.26    11.7   426.4   2.88   19.8
  OTHER TESTS:        MODAL  HFET  S/C  SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO. YR MAKE MODL CID	TEST TYPE	-----GRAMS PER MILE----- HC	CO	CO_2	NOx_c	MPG FUEL ECON
6043 76 PLYM FURY 318	COLD TRANS	6.86	63.8	558.1	6.29	13.0
IHC= 840 PPM HEXANE	COLD STAB	5.98	81.2	507.5	4.78	13.6
ICO[ACT] = 5.8 $CO	HOT TRANS	3.83	32.6	508.7	7.74	15.5
ICO[SPEC] = N/A $CO	75 FTP	5.57	64.4	518.3	5.90	13.9
OTHER TESTS:	MODAL HFET	S/C	SERIES			
6044 76 PONT GRNP 350	COLD TRANS	1.63	21.8	692.9	2.55	12.1
IHC= 25 PPM HEXANE	COLD STAB	0.18	0.4	667.9	1.75	13.3
ICO[ACT] = 0.0 $CO	HOT TRANS	0.55	4.2	602.6	2.69	14.5
ICO[SPEC] = N/A $CO	75 FTP	0.58	5.8	655.2	2.17	13.3
OTHER TESTS:	MODAL HFET	S/C	SERIES			
6045 76 PONT TRAN 400	COLD TRANS	2.01	35.2	673.9	2.58	12.1
IHC= 390 PPM HEXANE	COLD STAB	1.76	42.9	576.5	2.14	13.7
ICO[ACT] = 4.0 $CO	HOT TRANS	1.23	21.4	563.0	2.70	14.8
ICO[SPEC] = N/A $CO	75 FTP	1.67	35.5	592.9	2.38	13.6
OTHER TESTS:	MODAL HFET	S/C	SERIES			
6046 76 DATS B210 85	COLD TRANS	1.36	14.2	315.6	3.02	25.9
IHC= 180 PPM HEXANE	COLD STAB	1.05	7.0	319.0	1.19	26.6
ICO[ACT] = 0.3 $CO	HOT TRANS	1.24	7.7	279.7	2.87	30.0
ICO[SPEC]= 2.0 $CO	75 FTP	1.17	8.7	307.6	2.02	27.3
OTHER TESTS:	MODAL HFET	S/C	SERIES			
6047 76 DATS 710 119	COLD TRANS	2.19	36.0	472.1	3.94	16.6
IHC= 200 PPM HEXANE	COLD STAB	1.83	23.3	390.9	2.49	20.5
ICO[ACT] = 1.8 $CO	HOT TRANS	1.66	17.8	393.7	3.47	20.8
ICO[SPEC] = N/A $CO	75 FTP	1.86	24.4	408.4	3.06	19.6
OTHER TESTS:	MODAL HFET	S/C	SERIES			
6048 76 TOYO CORO 97	COLD TRANS	1.57	15.0	346.1	3.28	23.7
IHC= 58 PPM HEXANE	COLD STAB	0.82	14.0	358.8	1.85	23.2
ICO[ACT] = 0.6 $CO	HOT TRANS	1.05	9.4	307.7	3.12	27.2
ICO[SPEC] = N/A $CO	75 FTP	1.04	13.0	342.2	2.49	24.3
OTHER TESTS:	MODAL HFET	S/C	SERIES			
6049 76 TOYO STAW 133	COLD TRANS	1.58	16.5	461.6	4.26	18.0
IHC= 43 PPM HEXANE	COLD STAB	0.48	9.1	499.1	1.50	17.2
ICO[ACT] = 0.4 $CO	HOT TRANS	0.93	8.7	421.9	3.72	20.2
ICO[SPEC] = N/A $CO	75 FTP	0.83	10.5	470.3	2.67	18.1
OTHER TESTS:	MODAL HFET	S/C	SERIES			

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
                                       -----GRAMS PER MILE-----  FUEL
VEH                                                              ECON
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc
---------------------------------------------------------------------
6050 76 VOLK RABB  97 COLD TRANS  0.38    9.0  419.5   1.69   20.4
  IHC=  41 PPM HEXANE COLD STAB   0.06    0.1  412.4   1.59   21.5
  ICO[ACT] =  0.0 %CO HOT TRANS   0.20    0.8  357.3   2.24   24.7
  ICO[SPEC]=  1.5 %CO 75 FTP      0.16    2.1  398.8   1.79   22.0
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6051 76 VOLK RABB  97 COLD TRANS  1.22   21.4  415.2   1.39   19.6
  IHC= 320 PPM HEXANE COLD STAB   0.50    1.1  402.2   1.14   21.9
  ICO[ACT] =  0.0 %CO HOT TRANS   0.64    1.8  350.9   1.53   24.9
  ICO[SPEC] = N/A %CO 75 FTP      0.69    5.5  390.9   1.30   22.1
  OTHER TESTS:        MODAL  HFET  S/C SERIES

6201 76 AMC  STAW 304 COLD TRANS  1.79   57.7  632.0   1.37   12.2
  IHC=  45 PPM HEXANE COLD STAB   0.35   17.1  647.5   0.87   13.1
  ICO[ACT] =  0.1 %CO HOT TRANS   0.70   24.8  573.1   1.18   14.4
  ICO[SPEC] = N/A %CO 75 FTP      0.74   27.6  624.0   1.06   13.3
  OTHER TESTS:        S/C SERIES

6202 76 AMC  PACE 258 COLD TRANS  1.12   14.2  538.3   2.86   15.7
  IHC=  75 PPM HEXANE COLD STAB   0.88    2.9  499.6   3.59   17.5
  ICO[ACT] =  0.1 %CO HOT TRANS   1.18    3.7  470.3   3.30   18.5
  ICO[SPEC] = N/A %CO 75 FTP      1.01    5.4  499.6   3.36   17.4
  OTHER TESTS:        S/C SERIES

6203 76 AMC  MATA 304 COLD TRANS  1.86   33.7  705.8   5.98   11.6
  IHC=  40 PPM HEXANE COLD STAB   0.30    1.2  654.4   4.98   13.5
  ICO[ACT] =  0.0 %CO HOT TRANS   0.54    8.1  614.2   5.70   14.1
  ICO[SPEC] = N/A %CO 75 FTP      0.68    9.8  654.0   5.39   13.2
  OTHER TESTS:        S/C SERIES

6204 76 AMC  GREM 232 COLD TRANS  1.95   45.5  462.3   4.62   16.4
  IHC= 123 PPM HEXANE COLD STAB   1.28   14.5  441.4   4.03   19.0
  ICO[ACT] =  2.0 %CO HOT TRANS   0.95    8.9  424.5   5.11   20.1
  ICO[SPEC] = N/A %CO 75 FTP      1.33   19.4  441.1   4.45   18.7
  OTHER TESTS:        S/C SERIES

6205 76 BUIC CNTY 231 COLD TRANS  1.44   21.5  534.1   4.79   15.5
  IHC=  40 PPM HEXANE COLD STAB   0.15    2.7  527.3   1.87   16.7
  ICO[ACT] =  0.0 %CO HOT TRANS   0.39    2.6  486.5   3.55   18.0
  ICO[SPEC] = N/A %CO 75 FTP      0.48    6.6  517.6   2.93   16.8
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                       MPG
VEH                                   -----GRAMS PER MILE-----        FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC     CO     CO2    NOxc      ECON
--------------------------------------------------------------------------
6206 76 BUIC LESA 350 COLD TRANS     1.24   17.1   718.3   3.48      11.8
  IHC=  20 PPM HEXANE COLD STAB      0.10    0.9   655.7   2.12      13.5
  ICO[ACT] =  0.1 $CO HOT TRANS      0.27    1.7   625.7   3.22      14.1
  ICO[SPEC] = N/A $CO 75 FTP         0.38    4.4   660.4   2.70      13.3
  OTHER TESTS:        S/C SERIES

6207 76 BUIC CNTY 350 COLD TRANS     1.26   15.8   655.8   3.38      13.0
  IHC=  30 PPM HEXANE COLD STAB      0.09    0.3   639.3   1.61      13.9
  ICO[ACT] =  0.0 $CO HOT TRANS      0.36    5.4   585.9   2.60      14.9
  ICO[SPEC] = N/A $CO 75 FTP         0.40    4.9   628.1   2.25      13.9
  OTHER TESTS:        S/C SERIES

6208 76 BUIC ELEC 455 COLD TRANS     0.99    5.5   841.3   3.05      10.4
  IHC=  25 PPM HEXANE COLD STAB      0.12    0.1   834.1   1.31      10.6
  ICO[ACT] =  0.0 $CO HOT TRANS      0.39    2.8   724.2   2.38      12.2
  ICO[SPEC] = N/A $CO 75 FTP         0.37    2.0   805.6   1.96      11.0
  OTHER TESTS:        S/C SERIES

6209 76 BUIC REGA 350 COLD TRANS     0.93   12.1   688.1   3.46      12.5
  IHC=  40 PPM HEXANE COLD STAB      0.08    0.0   662.7   1.39      13.4
  ICO[ACT] =  0.0 $CO HOT TRANS      0.12    0.2   607.6   2.71      14.6
  ICO[SPEC] = N/A $CO 75 FTP         0.27    2.6   652.9   2.17      13.5
  OTHER TESTS:        S/C SERIES

6210 76 BUIC SKYH 231 COLD TRANS     1.01    9.1   477.0   3.87      18.0
  IHC=  30 PPM HEXANE COLD STAB      0.07    0.2   469.8   2.07      18.9
  ICO[ACT] =  0.1 $CO HOT TRANS      0.28    1.0   425.3   2.84      20.7
  ICO[SPEC] = N/A $CO 75 FTP         0.32    2.3   459.2   2.65      19.1
  OTHER TESTS:        S/C SERIES

6211 76 BUIC SKYL 260 COLD TRANS     1.30    5.9   586.7   2.93      14.8
  IHC=  25 PPM HEXANE COLD STAB      0.11    0.1   527.5   2.16      16.8
  ICO[ACT] =  0.0 $CO HOT TRANS      0.38    1.7   510.0   3.13      17.3
  ICO[SPEC] = N/A $CO 75 FTP         0.43    1.7   534.9   2.58      16.5
  OTHER TESTS:        S/C SERIES

6212 76 CADI SEVI 350 COLD TRANS     2.91   53.3   663.3   2.95      11.7
  IHC=  35 PPM HEXANE COLD STAB      0.36    0.0   651.9   1.80      13.6
  ICO[ACT] =  0.1 $CO HOT TRANS      0.61    2.5   594.3   2.85      14.8
  ICO[SPEC] = N/A $CO 75 FTP         0.95   11.7   638.5   2.32      13.4
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO. YR MAKE MODL CID	TEST TYPE	GRAMS PER MILE HC	CO	CO_2	NOx_c	MPG FUEL ECON
6213 76 CADI DEVI 500	COLD TRANS	4.46	67.0	842.4	2.50	9.2
IHC= 365 PPM HEXANE	COLD STAB	2.56	66.4	751.6	1.64	10.3
ICO[ACT] = 5.4 %CO	HOT TRANS	1.35	28.1	756.7	2.57	11.0
ICO[SPEC] = N/A %CO	75 FTP	2.62	56.0	771.7	2.07	10.2
OTHER TESTS:	S/C SERIES					
6214 76 CADI DEVI 500	COLD TRANS	2.06	18.0	799.7	2.30	10.6
IHC= 50 PPM HEXANE	COLD STAB	0.32	2.0	759.3	1.97	11.6
ICO[ACT] = 0.0 %CO	HOT TRANS	0.38	2.0	692.5	2.40	12.7
ICO[SPEC] = N/A %CO	75 FTP	0.69	5.3	749.4	2.16	11.7
OTHER TESTS:	S/C SERIES					
6215 76 CADI DEVI 500	COLD TRANS	2.99	22.6	814.9	2.56	10.3
IHC= 250 PPM HEXANE	COLD STAB	1.46	11.1	752.1	2.18	11.5
ICO[ACT] = 1.3 %CO	HOT TRANS	1.17	8.2	704.5	2.51	12.3
ICO[SPEC]= 0.3 %CO	75 FTP	1.69	12.7	752.1	2.35	11.4
OTHER TESTS:	S/C SERIES					
6216 76 CHEV CHET 85	COLD TRANS	1.79	23.8	359.5	3.85	22.0
IHC= 230 PPM HEXANE	COLD STAB	0.59	17.4	399.4	3.53	20.7
ICO[ACT] = 5.0 %CO	HOT TRANS	0.64	14.0	325.3	3.52	25.4
ICO[SPEC] = N/A %CO	75 FTP	0.85	17.8	371.0	3.59	22.1
OTHER TESTS:	S/C SERIES					
6217 76 CHEV IMPA 350	COLD TRANS	1.47	27.2	695.5	3.60	11.9
IHC= 70 PPM HEXANE	COLD STAB	0.21	5.3	696.8	1.64	12.6
ICO[ACT] = 0.1 %CO	HOT TRANS	0.23	5.1	619.5	2.86	14.1
ICO[SPEC] = N/A %CO	75 FTP	0.48	9.7	675.4	2.38	12.8
OTHER TESTS:	S/C SERIES					
6218 76 CHEV MONT 305	COLD TRANS	2.45	57.6	533.4	3.22	14.1
IHC= 320 PPM HEXANE	COLD STAB	2.26	65.7	511.7	1.39	14.3
ICO[ACT] = 7.2 %CO	HOT TRANS	1.42	28.0	498.0	3.21	16.2
ICO[SPEC] = N/A %CO	75 FTP	2.07	53.7	512.4	2.26	14.7
OTHER TESTS:	S/C SERIES					
6219 76 CHEV IMPA 350	COLD TRANS	2.91	62.4	628.9	3.36	12.1
IHC= 280 PPM HEXANE	COLD STAB	2.27	56.9	491.4	0.94	15.1
ICO[ACT] = 4.2 %CO	HOT TRANS	1.34	25.4	523.2	2.53	15.6
ICO[SPEC] = N/A %CO	75 FTP	2.15	49.4	528.4	1.87	14.5
OTHER TESTS:	S/C SERIES					

APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                    MPG
VEH                                   -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC      CO      CO2    NOxc  ECON
-------------------------------------------------------------------------
6220 76 CHEV NOVA 250 COLD TRANS    1.14     4.7    535.0   2.62   16.3
  IHC=  32 PPM HEXANE COLD STAB     0.15     0.0    491.8   1.54   18.0
  ICO[ACT] =  0.0 %CO HOT TRANS     0.45     0.4    473.6   1.77   18.7
  ICO[SPEC] = N/A %CO 75 FTP        0.44     1.1    495.7   1.82   17.8
  OTHER TESTS:        S/C SERIES

6221 76 CHEV IMPA 350 COLD TRANS    3.49    70.3    614.2   4.18   12.1
  IHC= 580 PPM HEXANE COLD STAB     3.72    70.4    564.0   2.14   12.9
  ICO[ACT] =  6.0 %CO HOT TRANS     2.82    26.6    566.3   4.16   14.4
  ICO[SPEC] = N/A %CO 75 FTP        3.43    58.4    575.0   3.11   13.1
  OTHER TESTS:        S/C SERIES

6222 76 CHEV VETT 350 COLD TRANS    2.13    41.9    618.8   5.36   12.8
  IHC= 305 PPM HEXANE COLD STAB     2.97    61.0    567.6   1.59   13.2
  ICO[ACT] =  4.4 %CO HOT TRANS     2.17    33.1    543.8   3.97   14.7
  ICO[SPEC] = N/A %CO 75 FTP        2.58    49.5    571.7   3.01   13.5
  OTHER TESTS:        S/C SERIES

6223 76 CHEV STAW 400 COLD TRANS    0.87     7.6    770.7   5.66   11.3
  IHC=  30 PPM HEXANE COLD STAB     0.21     3.9    727.8   2.54   12.1
  ICO[ACT] =  0.0 %CO HOT TRANS     0.60     8.7    658.3   4.63   13.2
  ICO[SPEC] = N/A %CO 75 FTP        0.45     6.0    717.7   3.75   12.2
  OTHER TESTS:        S/C SERIES

6224 76 CHEV MONT 350 COLD TRANS    2.11    36.4    653.2   1.99   12.4
  IHC=  40 PPM HEXANE COLD STAB     0.90    18.5    675.6   0.83   12.5
  ICO[ACT] =  0.1 %CO HOT TRANS     0.72     6.4    600.1   1.94   14.5
  ICO[SPEC] = N/A %CO 75 FTP        1.10    18.9    650.4   1.37   13.0
  OTHER TESTS:        S/C SERIES

6225 76 CHEV CAPR 400 COLD TRANS    1.62    27.6    722.3   4.47   11.5
  IHC= 235 PPM HEXANE COLD STAB     1.51    27.8    680.3   1.80   12.2
  ICO[ACT] =  1.5 %CO HOT TRANS     1.36    15.9    634.2   3.92   13.4
  ICO[SPEC] = N/A %CO 75 FTP        1.49    24.5    676.4   2.93   12.3
  OTHER TESTS:        S/C SERIES

6226 76 CHEV CAPR 350 COLD TRANS    1.32    26.9    697.3   3.80   11.9
  IHC=  27 PPM HEXANE COLD STAB     0.15     3.1    682.8   1.81   12.9
  ICO[ACT] =  0.0 %CO HOT TRANS     0.24     4.9    612.7   3.26   14.3
  ICO[SPEC] = N/A %CO 75 FTP        0.42     8.5    666.6   2.61   13.0
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                       MPG
VEH                                    -----GRAMS PER MILE-----       FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC     CO      CO2    NOxc      ECON
------------------------------------------------------------------------------
6227 76 CHEV MALI 350 COLD TRANS    6.10  173.0   509.2    1.21      11.1
  IHC= 480 PPM HEXANE COLD STAB     5.41  175.5   475.7    0.53      11.5
  ICO[ACT] =  8.8 %CO HOT TRANS     3.95  119.4   462.7    1.26      13.4
  ICO[SPEC] = N/A %CO 75 FTP        5.15  159.7   479.1    0.87      11.9
  OTHER TESTS:        S/C SERIES

6228 76 CHEV VEGA 140 COLD TRANS    3.46   56.5   321.3    2.08      21.1
  IHC=1000 PPM HEXANE COLD STAB     5.14   65.0   307.1    0.91      20.9
  ICO[ACT] = 10.0 %CO HOT TRANS     3.24   37.4   292.9    1.84      24.5
  ICO[SPEC] = N/A %CO 75 FTP        4.28   55.7   306.1    1.40      21.8
  OTHER TESTS:        S/C SERIES

6229 76 CHEV MONZ 262 COLD TRANS    3.63   54.4   488.5    3.38      15.2
  IHC= 440 PPM HEXANE COLD STAB     3.11   87.0   439.6    1.76      15.1
  ICO[ACT] =  9.6 %CO HOT TRANS     2.50   41.9   431.8    3.57      17.6
  ICO[SPEC] = N/A %CO 75 FTP        3.05   68.0   447.5    2.59      15.7
  OTHER TESTS:        S/C SERIES

6230 76 CHEV MONT 350 COLD TRANS    1.28   22.1   664.6    2.56      12.6
  IHC=  25 PPM HEXANE COLD STAB     0.12    2.3   671.4    1.33      13.1
  ICO[ACT] =  0.0 %CO HOT TRANS     0.44    3.8   606.7    2.21      14.5
  ICO[SPEC] = N/A %CO 75 FTP        0.45    6.8   652.3    1.82      13.4
  OTHER TESTS:        S/C SERIES

6231 76 CHEV MALI 350 COLD TRANS    1.24   17.9   668.3    2.84      12.7
  IHC=  30 PPM HEXANE COLD STAB     0.22    3.6   695.9    1.86      12.6
  ICO[ACT] =  0.0 %CO HOT TRANS     0.40    5.8   593.3    2.58      14.7
  ICO[SPEC] = N/A %CO 75 FTP        0.48    7.2   662.2    2.26      13.1
  OTHER TESTS:        S/C SERIES

6232 76 CHEV MALI 350 COLD TRANS    2.79   71.0   586.0    5.08      12.6
  IHC= 360 PPM HEXANE COLD STAB     3.12  105.0   524.7    2.06      12.7
  ICO[ACT] =  6.4 %CO HOT TRANS     1.90   42.3   518.4    4.83      15.0
  ICO[SPEC] = N/A %CO 75 FTP        2.72   80.9   535.6    3.44      13.2
  OTHER TESTS:        S/C SERIES

6233 76 CHEV MALI 350 COLD TRANS    2.29   39.9   614.5    3.10      13.0
  IHC=  30 PPM HEXANE COLD STAB     1.06   20.4   604.9    0.95      13.9
  ICO[ACT] =  0.0 %CO HOT TRANS     0.79    7.2   555.9    2.49      15.6
  ICO[SPEC] = N/A %CO 75 FTP        1.24   20.8   593.5    1.81      14.1
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO. YR MAKE MODL CID	TEST TYPE	-----GRAMS PER MILE----- HC	CO	CO_2	NOx_c	MPG FUEL ECON
6234 76 CHEV NOVA 305	COLD TRANS	2.01	33.5	571.7	3.94	14.1
IHC= 195 PPM HEXANE	COLD STAB	1.30	18.8	550.7	1.56	15.2
ICO[ACT] = 1.4 $CO	HOT TRANS	1.02	13.9	501.2	2.83	16.9
ICO[SPEC] = N/A $CO	75 FTP	1.37	20.5	541.5	2.40	15.4
OTHER TESTS:	S/C SERIES					
6235 76 CHEV STAW 140	COLD TRANS	1.14	29.0	452.6	2.12	17.7
IHC= 120 PPM HEXANE	COLD STAB	0.09	1.7	454.2	1.02	19.4
ICO[ACT] = 1.0 $CO	HOT TRANS	0.29	2.7	412.3	1.92	21.3
ICO[SPEC] = N/A $CO	75 FTP	0.36	7.6	442.5	1.49	19.5
OTHER TESTS:	S/C SERIES					
6236 76 CHEV MONT 350	COLD TRANS	1.59	19.5	635.1	2.86	13.2
IHC= 50 PPM HEXANE	COLD STAB	0.17	2.4	647.6	1.68	13.6
ICO[ACT] = 0.1 $CO	HOT TRANS	0.43	4.7	574.7	2.56	15.2
ICO[SPEC] = N/A $CO	75 FTP	0.53	6.5	625.1	2.16	13.9
OTHER TESTS:	S/C SERIES					
6237 76 CHEV MALI 250	COLD TRANS	1.50	24.4	550.6	3.76	14.9
IHC= 340 PPM HEXANE	COLD STAB	1.06	25.0	502.7	2.41	16.3
ICO[ACT] = 4.7 $CO	HOT TRANS	0.95	12.2	491.8	3.45	17.3
ICO[SPEC] = N/A $CO	75 FTP	1.12	21.4	509.6	2.97	16.2
OTHER TESTS:	S/C SERIES					
6238 76 CHEV VEGA 140	COLD TRANS	1.52	34.8	503.0	3.74	15.8
IHC= 80 PPM HEXANE	COLD STAB	0.97	4.0	465.0	2.47	18.7
ICO[ACT] = 0.1 $CO	HOT TRANS	0.85	6.0	442.3	3.44	19.5
ICO[SPEC] = N/A $CO	75 FTP	1.05	10.9	466.6	3.00	18.2
OTHER TESTS:	S/C SERIES					
6239 76 CHEV NOVA 250	COLD TRANS	1.48	22.3	541.3	3.27	15.3
IHC= 220 PPM HEXANE	COLD STAB	1.11	29.9	456.1	2.18	17.5
ICO[ACT] = 2.5 $CO	HOT TRANS	0.77	9.4	442.2	2.54	19.3
ICO[SPEC] = N/A $CO	75 FTP	1.09	22.7	469.8	2.50	17.4
OTHER TESTS:	S/C SERIES					
6240 76 CHRY NEWP 400	COLD TRANS	2.22	63.9	724.0	6.43	10.7
IHC= 14 PPM HEXANE	COLD STAB	1.03	34.3	735.8	2.98	11.2
ICO[ACT] = 3.2 $CO	HOT TRANS	0.70	16.9	665.2	7.08	12.8
ICO[SPEC] = N/A $CO	75 FTP	1.19	35.6	714.1	4.81	11.5
OTHER TESTS:	S/C SERIES					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO. YR MAKE MODL CID	TEST TYPE	GRAMS PER MILE HC	CO	CO_2	NOx_c	MPG FUEL ECON
6241 76 CHRY NEWP 400	COLD TRANS	1.63	45.9	743.0	2.81	10.8
IHC= 45 PPM HEXANE	COLD STAB	0.09	0.1	721.8	2.95	12.3
ICO[ACT] = 0.0 %CO	HOT TRANS	0.37	3.0	678.1	3.65	13.0
ICO[SPEC]= 0.3 %CO	75 FTP	0.48	10.4	714.2	3.11	12.1
OTHER TESTS:	S/C SERIES					
6242 76 DODG CHAR 360	COLD TRANS	2.29	56.0	644.1	2.36	12.0
IHC= 210 PPM HEXANE	COLD STAB	1.57	63.0	660.0	1.14	11.6
ICO[ACT] = 6.0 %CO	HOT TRANS	1.13	29.0	594.2	2.95	13.8
ICO[SPEC]= 0.3 %CO	75 FTP	1.60	52.3	638.8	1.88	12.2
OTHER TESTS:	S/C SERIES					
6243 76 DODG STAW 318	COLD TRANS	1.73	25.0	599.7	6.73	13.8
IHC= 115 PPM HEXANE	COLD STAB	0.65	2.9	582.3	5.26	15.1
ICO[ACT] = 0.1 %CO	HOT TRANS	0.87	2.3	550.7	7.82	15.9
ICO[SPEC] = N/A %CO	75 FTP	0.93	7.3	577.3	6.26	15.0
OTHER TESTS:	S/C SERIES					
6244 76 DODG DART 225	COLD TRANS	6.59	78.7	459.6	2.14	14.7
IHC= 280 PPM HEXANE	COLD STAB	2.30	36.2	494.3	0.97	15.9
ICO[ACT] = 3.8 %CO	HOT TRANS	2.64	35.0	419.3	1.57	18.4
ICO[SPEC]= 0.3 %CO	75 FTP	3.28	44.6	466.7	1.37	16.2
OTHER TESTS:	S/C SERIES					
6245 76 DODG MONA 360	COLD TRANS	1.39	21.5	687.4	3.23	12.2
IHC= 35 PPM HEXANE	COLD STAB	0.12	0.6	692.0	2.89	12.8
ICO[ACT] = 0.0 %CO	HOT TRANS	0.46	2.5	605.4	4.07	14.5
ICO[SPEC] = N/A %CO	75 FTP	0.47	5.4	667.4	3.28	13.1
OTHER TESTS:	S/C SERIES					
6246 76 DODG CORO 318	COLD TRANS	3.06	39.8	665.2	2.28	12.0
IHC= 300 PPM HEXANE	COLD STAB	1.62	14.1	604.5	1.69	14.0
ICO[ACT] = 2.5 %CO	HOT TRANS	1.43	7.7	591.0	2.64	14.6
ICO[SPEC] = N/A %CO	75 FTP	1.87	17.6	613.3	2.07	13.7
OTHER TESTS:	S/C SERIES					
6247 76 DODG ASPE 225	COLD TRANS	1.33	19.6	523.6	4.74	15.9
IHC= 150 PPM HEXANE	COLD STAB	0.44	1.3	478.5	1.53	18.4
ICO[ACT] = 1.0 %CO	HOT TRANS	1.14	3.3	476.8	2.98	18.3
ICO[SPEC] = N/A %CO	75 FTP	0.81	5.6	487.3	2.59	17.8
OTHER TESTS:	S/C SERIES					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                           MPG
VEH                              -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC    CO     CO2   NOXc  ECON
---------------------------------------------------------------
6248 76 FORD STAW 400 COLD TRANS  1.10  16.4  812.1  1.74  10.5
  IHC=  27 PPM HEXANE COLD STAB   0.38   1.5  777.7  1.84  11.4
  ICO[ACT] =  0.0 %CO HOT TRANS   0.89   7.2  708.7  2.50  12.3
  ICO[SPEC] = N/A %CO 75 FTP      0.67   6.1  766.0  2.00  11.4
  OTHER TESTS:        S/C SERIES

6249 76 FORD ELIT 351 COLD TRANS  1.68  21.1  691.1  3.97  12.2
  IHC= 135 PPM HEXANE COLD STAB   1.14  10.4  639.2  2.64  13.5
  ICO[ACT] =  0.1 %CO HOT TRANS   1.23   6.2  583.2  3.62  14.9
  ICO[SPEC] = N/A %CO 75 FTP      1.28  11.5  634.6  3.18  13.5
  OTHER TESTS:        S/C SERIES

6250 76 FORD GRAN 200 COLD TRANS  1.40   6.1  457.0  2.81  18.8
  IHC= 107 PPM HEXANE COLD STAB   0.57   0.1  464.2  1.97  19.0
  ICO[ACT] =  0.0 %CO HOT TRANS   0.68   1.3  416.7  2.82  21.1
  ICO[SPEC] = N/A %CO 75 FTP      0.77   1.7  449.7  2.38  19.5
  OTHER TESTS:        S/C SERIES

6251 76 FORD LTD  351 COLD TRANS  2.57  28.2  675.3  1.52  12.2
  IHC= 120 PPM HEXANE COLD STAB   0.75   0.8  637.8  2.20  13.8
  ICO[ACT] =  0.0 %CO HOT TRANS   1.12   6.4  591.6  2.35  14.7
  ICO[SPEC] = N/A %CO 75 FTP      1.23   8.0  632.9  2.10  13.7
  OTHER TESTS:        S/C SERIES

6252 76 FORD STAW 140 COLD TRANS  1.20   7.1  430.4  5.03  19.9
  IHC=  50 PPM HEXANE COLD STAB   0.37   1.4  416.7  3.43  21.1
  ICO[ACT] =  0.1 %CO HOT TRANS   0.51   2.3  379.5  5.14  23.1
  ICO[SPEC] = N/A %CO 75 FTP      0.58   2.8  409.4  4.22  21.4
  OTHER TESTS:        S/C SERIES

6253 76 FORD GRAN 250 COLD TRANS  1.34   8.9  601.2  2.22  14.3
  IHC=  55 PPM HEXANE COLD STAB   0.49   0.2  538.6  1.74  16.4
  ICO[ACT] =  0.0 %CO HOT TRANS   0.95   1.0  499.7  1.96  17.6
  ICO[SPEC] = N/A %CO 75 FTP      0.79   2.2  540.9  1.90  16.2
  OTHER TESTS:        S/C SERIES

6254 76 FORD GRAN 302 COLD TRANS  1.77   9.9  535.9  2.62  15.9
  IHC=  70 PPM HEXANE COLD STAB   0.65   0.1  504.7  2.38  17.5
  ICO[ACT] =  0.1 %CO HOT TRANS   1.01   1.5  471.4  2.70  18.6
  ICO[SPEC] = N/A %CO 75 FTP      0.98   2.5  502.0  2.52  17.4
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO.	YR	MAKE	MODL	CID	TEST	TYPE	-----GRAMS PER MILE----- HC	CO	CO_2	NOx_c	MPG FUEL ECON
6255	76	FORD	MUST	140	COLD	TRANS	0.93	6.8	503.2	2.79	17.2
IHC= 45 PPM HEXANE					COLD	STAB	0.44	0.3	465.2	1.53	19.0
ICO[ACT] = 0.0 %CO					HOT	TRANS	0.48	1.1	424.0	2.93	20.8
ICO[SPEC] = N/A %CO					75	FTP	0.55	1.9	461.8	2.17	19.0
OTHER TESTS:					S/C	SERIES					
6256	76	FORD	STAW	351	COLD	TRANS	0.86	16.1	811.3	1.90	10.6
IHC= 30 PPM HEXANE					COLD	STAB	0.27	0.0	755.8	2.93	11.7
ICO[ACT] = 0.1 %CO					HOT	TRANS	0.49	6.3	658.4	2.90	13.3
ICO[SPEC] = N/A %CO					75	FTP	0.45	5.1	740.6	2.71	11.8
OTHER TESTS:					S/C	SERIES					
6257	76	FORD	MUST	171	COLD	TRANS	1.74	15.3	555.6	4.34	15.2
IHC= 180 PPM HEXANE					COLD	STAB	0.70	2.1	632.8	2.48	13.9
ICO[ACT] = 2.2 %CO					HOT	TRANS	0.98	3.9	491.9	3.40	17.7
ICO[SPEC] = N/A %CO					75	FTP	0.99	5.3	578.5	3.11	15.0
OTHER TESTS:					S/C	SERIES					
6258	76	FORD	GRAN	250	COLD	TRANS	0.68	1.5	576.8	2.47	15.3
IHC= 50 PPM HEXANE					COLD	STAB	0.29	0.0	516.5	2.44	17.1
ICO[ACT] = 0.0 %CO					HOT	TRANS	0.85	0.9	501.0	2.33	17.6
ICO[SPEC] = N/A %CO					75	FTP	0.52	0.6	524.7	2.42	16.8
OTHER TESTS:					S/C	SERIES					
6259	76	FORD	PINT	140	COLD	TRANS	2.39	8.5	444.9	1.38	19.1
IHC= 45 PPM HEXANE					COLD	STAB	0.36	3.7	440.6	0.81	19.8
ICO[ACT] = 0.1 %CO					HOT	TRANS	1.16	4.3	382.3	1.46	22.6
ICO[SPEC] = N/A %CO					75	FTP	1.00	4.9	425.6	1.10	20.3
OTHER TESTS:					S/C	SERIES					
6260	76	FORD	STAW	400	COLD	TRANS	0.77	10.4	829.8	2.89	10.5
IHC= 25 PPM HEXANE					COLD	STAB	0.28	0.1	773.9	3.46	11.5
ICO[ACT] = 0.1 %CO					HOT	TRANS	0.48	5.4	706.7	3.62	12.4
ICO[SPEC] = N/A %CO					75	FTP	0.43	3.7	767.1	3.38	11.5
OTHER TESTS:					S/C	SERIES					
6261	76	FORD	ELIT	351	COLD	TRANS	2.48	26.8	684.6	3.98	12.1
IHC= 75 PPM HEXANE					COLD	STAB	1.08	9.6	690.8	3.48	12.5
ICO[ACT] = 0.1 %CO					HOT	TRANS	1.03	5.7	615.6	4.16	14.1
ICO[SPEC] = N/A %CO					75	FTP	1.36	12.1	669.0	3.77	12.8
OTHER TESTS:					S/C	SERIES					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                        MPG
VEH                                        -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST   TYPE      HC      CO      CO2    NOxc    ECON
----------------------------------------------------------------------------
6262 76 FORD THND 460 COLD TRANS      0.89    21.7    891.6   2.38     9.6
  IHC=  50 PPM HEXANE COLD STAB       0.23     0.0    840.5   3.23    10.6
  ICO[ACT] =  0.0 %CO HOT TRANS       1.01     2.0    746.7   3.54    11.8
  ICO[SPEC] = N/A %CO 75 FTP          0.58     5.0    825.4   3.14    10.6
  OTHER TESTS:        S/C SERIES

6263 76 FORD MUST 171 COLD TRANS      1.91    22.3    535.3   3.08    15.4
  IHC=  55 PPM HEXANE COLD STAB       0.51     2.3    575.7   1.35    15.3
  ICO[ACT] =  0.0 %CO HOT TRANS       0.93     4.3    490.0   2.22    17.8
  ICO[SPEC] = N/A %CO 75 FTP          0.91     6.9    544.0   1.94    15.9
  OTHER TESTS:        S/C SERIES

6264 76 FORD STAW 400 COLD TRANS      0.71    10.2    824.1   1.55    10.5
  IHC= 175 PPM HEXANE COLD STAB       0.34     0.7    768.4   1.93    11.5
  ICO[ACT] =  1.9 %CO HOT TRANS       0.56     6.6    706.7   2.37    12.3
  ICO[SPEC] = N/A %CO 75 FTP          0.48     4.2    763.1   1.97    11.5
  OTHER TESTS:        S/C SERIES

6265 76 FORD STAW 351 COLD TRANS      1.43    31.2    736.1   2.14    11.2
  IHC= 420 PPM HEXANE COLD STAB       0.42     8.3    731.7   2.28    11.9
  ICO[ACT] =  4.4 %CO HOT TRANS       0.80     8.4    660.0   3.00    13.1
  ICO[SPEC] = N/A %CO 75 FTP          0.73    13.0    713.0   2.45    12.1
  OTHER TESTS:        S/C SERIES

6266 76 FORD GRAN 302 COLD TRANS      1.42     5.7    606.8   2.89    14.3
  IHC= 100 PPM HEXANE COLD STAB       0.78     0.2    603.8   2.50    14.6
  ICO[ACT] =  0.1 %CO HOT TRANS       1.19     2.1    549.1   2.81    16.0
  ICO[SPEC] = N/A %CO 75 FTP          1.03     1.9    589.5   2.67    14.9
  OTHER TESTS:        S/C SERIES

6267 76 FORD MUST 140 COLD TRANS      0.76    10.0    569.5   1.72    15.1
  IHC=  50 PPM HEXANE COLD STAB       0.20     0.7    540.3   0.72    16.4
  ICO[ACT] =  0.1 %CO HOT TRANS       0.33     1.7    475.7   1.57    18.5
  ICO[SPEC] = N/A %CO 75 FTP          0.35     2.9    528.7   1.16    16.6
  OTHER TESTS:        S/C SERIES

6268 76 LINC MRK4 460 COLD TRANS      1.71    15.8   1029.7   0.87     8.4
  IHC= 310 PPM HEXANE COLD STAB       0.29     0.4    907.9   1.52     9.8
  ICO[ACT] =  4.0 %CO HOT TRANS       0.74     3.4    867.2   1.31    10.1
  ICO[SPEC] = N/A %CO 75 FTP          0.71     4.4    921.8   1.33     9.5
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO. YR MAKE MODL CID	TEST TYPE	GRAMS PER MILE HC	CO	CO_2	NOx_c	MPG FUEL ECON
6269 76 LINC CONT 460	COLD TRANS	0.57	4.0	866.2	2.29	10.2
IHC= 32 PPM HEXANE	COLD STAB	0.09	0.4	779.9	2.58	11.4
ICO[ACT] = 0.0 %CO	HOT TRANS	0.90	3.2	742.3	2.87	11.8
ICO[SPEC] = N/A %CO	75 FTP	0.41	1.9	787.4	2.60	11.2
OTHER TESTS:	S/C SERIES					
6270 76 MERC COUG 351	COLD TRANS	1.66	23.3	696.6	3.12	12.0
IHC= 45 PPM HEXANE	COLD STAB	1.00	14.3	697.2	2.18	12.3
ICO[ACT] = 0.3 %CO	HOT TRANS	1.07	7.8	625.3	2.81	13.8
ICO[SPEC] = N/A %CO	75 FTP	1.16	14.4	677.4	2.54	12.6
OTHER TESTS:	S/C SERIES					
6271 76 MERC MARQ 400	COLD TRANS	1.83	34.3	758.9	2.31	10.8
IHC= 275 PPM HEXANE	COLD STAB	1.56	50.0	690.5	2.23	11.5
ICO[ACT] = 5.6 %CO	HOT TRANS	1.22	22.6	647.7	2.99	12.9
ICO[SPEC] = N/A %CO	75 FTP	1.52	39.3	692.9	2.45	11.7
OTHER TESTS:	S/C SERIES					
6272 76 MERC MONT 351	COLD TRANS	1.76	27.5	715.0	1.78	11.6
IHC= 685 PPM HEXANE	COLD STAB	0.60	1.9	661.6	2.02	13.3
ICO[ACT] = 9.0 %CO	HOT TRANS	1.09	4.9	624.6	2.43	14.0
ICO[SPEC] = N/A %CO	75 FTP	0.97	8.0	662.5	2.08	13.1
OTHER TESTS:	S/C SERIES					
6273 76 MERC MARQ 400	COLD TRANS	1.54	9.9	777.3	2.35	11.1
IHC= 27 PPM HEXANE	COLD STAB	0.43	0.9	769.6	1.88	11.5
ICO[ACT] = 0.0 %CO	HOT TRANS	0.70	4.0	685.3	2.96	12.8
ICO[SPEC] = N/A %CO	75 FTP	0.73	3.6	748.2	2.27	11.7
OTHER TESTS:	S/C SERIES					
6274 76 MERC MONA 302	COLD TRANS	1.43	7.7	601.2	2.20	14.4
IHC= 60 PPM HEXANE	COLD STAB	0.60	0.4	572.5	1.58	15.4
ICO[ACT] = 0.0 %CO	HOT TRANS	0.92	2.0	541.2	1.91	16.2
ICO[SPEC] = N/A %CO	75 FTP	0.86	2.3	569.9	1.80	15.4
OTHER TESTS:	S/C SERIES					
6275 76 OLDS DELT 350	COLD TRANS	2.54	30.4	679.4	1.55	12.1
IHC= 350 PPM HEXANE	COLD STAB	1.66	38.6	616.0	1.07	13.0
ICO[ACT] = 5.0 %CO	HOT TRANS	1.47	25.4	597.4	1.21	13.8
ICO[SPEC] = N/A %CO	75 FTP	1.79	33.3	624.0	1.21	13.0
OTHER TESTS:	S/C SERIES					

APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                  MPG
VEH                                   -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2   NOXc    ECON
----------------------------------------------------------------------
6276 76 OLDS CUTL 350 COLD TRANS   2.92   34.5   645.9   1.16   12.5
  IHC= 340 PPM HEXANE COLD STAB    1.68   36.3   575.3   0.84   13.9
  ICO[ACT] =  4.6 %CO HOT TRANS    1.37   21.0   560.2   1.01   14.9
  ICO[SPEC] = N/A %CO 75 FTP       1.85   31.7   585.7   0.95   13.8
  OTHER TESTS:        S/C SERIES

6277 76 OLDS OMEG 260 COLD TRANS   1.38    9.1   549.1   2.56   15.6
  IHC=  45 PPM HEXANE COLD STAB    0.15    0.3   545.2   2.04   16.2
  ICO[ACT] =  0.0 %CO HOT TRANS    0.42    4.8   492.8   2.41   17.7
  ICO[SPEC] = N/A %CO 75 FTP       0.48    3.4   531.7   2.25   16.5
  OTHER TESTS:        S/C SERIES

6278 76 OLDS CUTL 260 COLD TRANS   2.34   36.0   562.9   5.55   14.2
  IHC= 380 PPM HEXANE COLD STAB    1.77   59.8   510.1   3.72   14.6
  ICO[ACT] =  9.4 %CO HOT TRANS    1.61   32.4   476.3   5.13   16.7
  ICO[SPEC] = N/A %CO 75 FTP       1.84   47.4   511.7   4.48   15.0
  OTHER TESTS:        S/C SERIES

6279 76 OLDS DELT 455 COLD TRANS   2.57   14.6   779.9   2.23   10.9
  IHC= 275 PPM HEXANE COLD STAB    0.64    4.2   704.7   1.23   12.4
  ICO[ACT] =  3.3 %CO HOT TRANS    0.78    5.7   655.4   2.32   13.3
  ICO[SPEC] = N/A %CO 75 FTP       1.07    6.8   706.7   1.73   12.3
  OTHER TESTS:        S/C SERIES

6280 76 OLDS CUTL 350 COLD TRANS   4.27   28.2   583.6   4.27   13.8
  IHC= 500 PPM HEXANE COLD STAB    2.09   49.3   514.2   4.17   14.8
  ICO[ACT] =  8.0 %CO HOT TRANS    1.53   25.0   499.0   4.59   16.3
  ICO[SPEC] = N/A %CO 75 FTP       2.38   38.3   524.3   4.31   15.0
  OTHER TESTS:        S/C SERIES

6281 76 OLDS CUTL 350 COLD TRANS   3.47   31.8   599.6   2.91   13.4
  IHC=1100 PPM HEXANE COLD STAB    4.63   58.5   499.7   1.22   14.6
  ICO[ACT] = 10.0 %CO HOT TRANS    2.83   27.4   507.2   2.44   15.9
  ICO[SPEC] = N/A %CO 75 FTP       3.90   44.5   522.3   1.90   14.7
  OTHER TESTS:        S/C SERIES

6282 76 OLDS CUTL 350 COLD TRANS   2.22   22.5   616.2   1.89   13.5
  IHC= 290 PPM HEXANE COLD STAB    0.93   10.5   605.8   1.16   14.2
  ICO[ACT] =  2.0 %CO HOT TRANS    0.68    5.9   556.0   1.91   15.6
  ICO[SPEC] = N/A %CO 75 FTP       1.13   11.7   594.3   1.52   14.4
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                *MPG
VEH                                 -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2    NOxc  ECON
--------------------------------------------------------------------
6283 76 OLDS NNTY 455 COLD TRANS   1.99   20.5   841.8   1.98   10.1
  IHC= 270 PPM HEXANE COLD STAB    0.58    5.0   733.0   1.28   11.9
  ICO[ACT] =   2.1 %CO HOT TRANS   0.79    4.5   698.6   1.84   12.5
  ICO[SPEC] = N/A %CO 75 FTP       0.93    8.0   746.0   1.58   11.7
  OTHER TESTS:        S/C SERIES

6284 76 PLYM STAW 318 COLD TRANS   2.31   26.3   597.5   3.05   13.7
  IHC= 350 PPM HEXANE COLD STAB    2.00   27.4   574.6   1.47   14.2
  ICO[ACT] =   2.8 %CO HOT TRANS   1.72   12.3   555.5   2.55   15.3
  ICO[SPEC] = N/A %CO 75 FTP       1.99   23.0   574.1   2.09   14.4
  OTHER TESTS:        S/C SERIES

6285 76 PLYM FURY 318 COLD TRANS   3.09   45.9   603.8   2.71   12.9
  IHC= 495 PPM HEXANE COLD STAB    2.64   49.8   556.8   1.75   13.8
  ICO[ACT] =   4.6 %CO HOT TRANS   1.74   21.3   567.9   2.71   14.6
  ICO[SPEC]=   0.3 %CO 75 FTP      2.49   41.2   569.5   2.21   13.8
  OTHER TESTS:        S/C SERIES

6286 76 PLYM STAW 360 COLD TRANS   1.39   42.6   712.8   3.47   11.3
  IHC= 190 PPM HEXANE COLD STAB    1.57   71.3   688.7   1.31   11.0
  ICO[ACT] =   0.1 %CO HOT TRANS   1.15   37.8   611.9   2.95   13.2
  ICO[SPEC]=   0.3 %CO 75 FTP      1.42   56.2   672.7   2.20   11.6
  OTHER TESTS:        S/C SERIES

6287 76 PLYM VALI 225 COLD TRANS   3.16   47.0   433.8   2.08   17.1
  IHC= 460 PPM HEXANE COLD STAB    3.58   58.9   395.6   1.24   17.8
  ICO[ACT] =   9.0 %CO HOT TRANS   2.89   29.3   378.7   1.93   20.5
  ICO[SPEC] = N/A %CO 75 FTP       3.30   48.4   398.8   1.60   18.3
  OTHER TESTS:        S/C SERIES

6288 76 PLYM STAW 318 COLD TRANS   4.08   52.4   566.5   2.50   13.4
  IHC= 515 PPM HEXANE COLD STAB    3.60   50.1   527.7   1.38   14.4
  ICO[ACT] =   7.2 %CO HOT TRANS   2.41   20.4   510.7   2.75   16.1
  ICO[SPEC]=   0.3 %CO 75 FTP      3.37   42.4   531.1   1.99   14.6
  OTHER TESTS:        S/C SERIES

6289 76 PLYM STAW 225 COLD TRANS   5.97   60.3   412.8   3.03   16.9
  IHC= 650 PPM HEXANE COLD STAB    2.09   17.4   452.4   1.52   18.2
  ICO[ACT] =   4.1 %CO HOT TRANS   2.23   17.5   385.0   2.57   21.2
  ICO[SPEC] = N/A %CO 75 FTP       2.93   26.3   425.8   2.12   18.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                    MPG
VEH                                     -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE        HC    CO     CO2    NOxc    ECON
------------------------------------------------------------------------
6290 76 PLYM VOLA 225 COLD TRANS      3.68  48.9   511.5   3.27    14.8
  IHC= 440 PPM HEXANE COLD STAB       2.60  62.7   441.2   1.42    16.2
  ICO[ACT] =  7.8 %CO HOT TRANS       2.24  35.1   439.3   2.22    17.7
  ICO[SPEC] = N/A %CO 75 FTP          2.73  52.3   455.2   2.02    16.3
  OTHER TESTS:        S/C SERIES

6291 76 PONT ASTR 140 COLD TRANS      3.94  52.7   373.2   1.26    18.9
  IHC= 300 PPM HEXANE COLD STAB       3.06  57.4   403.5   0.55    17.6
  ICO[ACT] =  9.9 %CO HOT TRANS       2.23  35.4   336.5   1.13    22.2
  ICO[SPEC] = N/A %CO 75 FTP          3.01  50.4   379.0   0.86    19.0
  OTHER TESTS:        S/C SERIES

6292 76 PONT BONN 400 COLD TRANS      2.79  57.6   685.7   3.21    11.3
  IHC= 250 PPM HEXANE COLD STAB       1.30  17.9   655.1   2.16    12.9
  ICO[ACT] =  3.5 %CO HOT TRANS       1.49  22.9   600.4   3.18    13.8
  ICO[SPEC] = N/A %CO 75 FTP          1.66  27.5   646.5   2.65    12.8
  OTHER TESTS:        S/C SERIES

6293 76 PONT GRNP 350 COLD TRANS      2.88  56.5   605.7   3.23    12.6
  IHC= 370 PPM HEXANE COLD STAB       2.02  58.8   537.2   2.55    14.0
  ICO[ACT] =  6.2 %CO HOT TRANS       1.77  29.7   527.2   3.87    15.3
  ICO[SPEC] = N/A %CO 75 FTP          2.13  50.4   548.6   3.05    14.0
  OTHER TESTS:        S/C SERIES

6294 76 PONT LEMA 260 COLD TRANS      1.61  17.2   584.2   3.80    14.4
  IHC=  30 PPM HEXANE COLD STAB       0.22   0.2   550.1   2.32    16.1
  ICO[ACT] =  0.0 %CO HOT TRANS       0.38   3.6   509.7   3.37    17.2
  ICO[SPEC] = N/A %CO 75 FTP          0.55   4.6   546.1   2.91    16.0
  OTHER TESTS:        S/C SERIES

6295 76 PONT BONN 400 COLD TRANS      1.75  24.7   697.2   3.12    12.0
  IHC=  30 PPM HEXANE COLD STAB       0.24   0.4   663.7   2.23    13.3
  ICO[ACT] =  0.0 %CO HOT TRANS       0.53   4.1   610.1   3.24    14.4
  ICO[SPEC] = N/A %CO 75 FTP          0.63   6.4   656.0   2.69    13.3
  OTHER TESTS:        S/C SERIES

6296 76 PONT FIRE 350 COLD TRANS      3.44  49.7   626.4   3.05    12.4
  IHC=  35 PPM HEXANE COLD STAB       0.64   4.4   612.1   1.71    14.3
  ICO[ACT] =  0.0 %CO HOT TRANS       1.36  15.7   561.4   2.75    15.0
  ICO[SPEC] = N/A %CO 75 FTP          1.41  16.8   601.2   2.27    14.0
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                             MPG
VEH                             -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CI  TEST  TYPE   HC     CO    CO2   NOxc   ECON
-----------------------------------------------------------------
6297 76 PONT GRNP 350 COLD TRANS  1.63  26.4  651.8  3.42  12.7
  IHC=  65 PPM HEXANE COLD STAB   0.17   1.0  607.4  2.58  14.6
  ICO[ACT] =  0.1 %CO HOT TRANS   0.53   7.8  555.3  3.55  15.6
  ICO[SPEC] = N/A %CO 75 FTP      0.57   8.1  602.3  3.02  14.4
  OTHER TESTS:        S/C SERIES

6298 76 PONT VENT 250 COLD TRANS  3.06  11.1  600.1  3.16  14.1
  IHC=  19 PPM HEXANE COLD STAB   0.04   0.0  544.6  1.68  16.3
  ICO[ACT] =  0.0 %CO HOT TRANS   0.16   0.3  513.0  2.25  17.3
  ICO[SPEC] = N/A %CO 75 FTP      0.70   2.4  547.4  2.14  16.0
  OTHER TESTS:        S/C SERIES

6299 76 CAPR SEDA 140 COLD TRANS  1.37  20.5  507.6  2.39  16.3
  IHC=  60 PPM HEXANE COLD STAB   0.46  17.3  544.3  1.31  15.5
  ICO[ACT] =  0.6 %CO HOT TRANS   0.88  10.6  436.5  2.28  19.5
  ICO[SPEC] = N/A %CO 75 FTP      0.76  16.1  507.3  1.80  16.6
  OTHER TESTS:        S/C SERIES

6300 76 COLT STAW  98 COLD TRANS  1.52  32.2  352.1  5.46  21.8
  IHC= 280 PPM HEXANE COLD STAB   1.31  24.0  302.2  3.39  25.8
  ICO[ACT] =  3.3 %CO HOT TRANS   1.59  16.4  314.8  5.42  25.7
  ICO[SPEC] = N/A %CO 75 FTP      1.43  23.6  315.9  4.37  24.8
  OTHER TESTS:        S/C SERIES

6301 76 DATS B210  85 COLD TRANS  1.86  22.8  362.9  3.75  21.9
  IHC= 110 PPM HEXANE COLD STAB   1.41   9.6  287.9  2.14  28.9
  ICO[ACT] =  0.3 %CO HOT TRANS   1.43   9.9  309.5  3.25  26.9
  ICO[SPEC]=  2.0 %CO 75 FTP      1.51  12.4  309.2  2.77  26.6
  OTHER TESTS:        S/C SERIES

6302 76 DATS SEDA 119 COLD TRANS  1.42  24.7  398.5  2.76  20.1
  IHC= 100 PPM HEXANE COLD STAB   0.72  14.6  412.9  1.48  20.3
  ICO[ACT] =  1.2 %CO HOT TRANS   1.26  14.1  342.6  2.69  24.1
  ICO[SPEC] = N/A %CO 75 FTP      1.01  16.5  390.8  2.08  21.1
  OTHER TESTS:        S/C SERIES

6303 76 DATS B210  85 COLD TRANS  2.14  24.4  314.0  3.68  24.7
  IHC=  60 PPM HEXANE COLD STAB   2.21  15.7  299.9  1.55  26.8
  ICO[ACT] =  0.8 %CO HOT TRANS   2.04  12.1  269.1  3.39  30.1
  ICO[SPEC]=  2.0 %CO 75 FTP      2.15  16.5  294.4  2.49  27.1
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                  MPG
VEH                                    -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2    NOxc   ECON
------------------------------------------------------------------------
6304 76 FIAT SEDA  79 COLD TRANS   2.87   55.3   360.0   1.94   19.5
  IHC= 120 PPM HEXANE COLD STAB    1.82   31.9   381.7   0.78   20.3
  ICO[ACT] =  0.8 %CO HOT TRANS    2.41   41.1   334.2   1.74   21.8
  ICO[SPEC]=  0.1 %CO 75 FTP       2.20   39.2   364.3   1.28   20.5
  OTHER TESTS:        S/C SERIES

6305 76 FIAT SEDA 107 COLD TRANS   1.22   40.7   444.4   3.41   17.3
  IHC= 150 PPM HEXANE COLD STAB    0.85   26.7   404.1   1.70   19.8
  ICO[ACT] =  1.1 %CO HOT TRANS    0.80   21.1   375.3   3.23   21.6
  ICO[SPEC]=  0.7 %CO 75 FTP       0.91   28.1   404.5   2.47   19.7
  OTHER TESTS:        S/C SERIES

6306 76 HOND CIVI  76 COLD TRANS   1.72   24.0   297.0   2.53   26.1
  IHC= 130 PPM HEXANE COLD STAB    1.03   22.3   309.7   0.97   25.5
  ICO[ACT] =  2.4 %CO HOT TRANS    1.27   18.2   265.5   2.59   29.8
  ICO[SPEC] = N/A %CO 75 FTP       1.23   21.5   295.0   1.73   26.7
  OTHER TESTS:        S/C SERIES

6307 76 HOND CIVI  91 COLD TRANS   1.96    7.9   319.0   2.20   26.3
  IHC=  54 PPM HEXANE COLD STAB    0.26    4.0   327.9   1.11   26.5
  ICO[ACT] =  0.2 %CO HOT TRANS    0.40    3.8   288.2   2.07   30.0
  ICO[SPEC]=  0.4 %CO 75 FTP       0.65    4.8   315.3   1.60   27.3
  OTHER TESTS:        S/C SERIES

6308 76 MAZD STAW  97 COLD TRANS   1.78   19.7   320.8   3.02   24.8
  IHC= 210 PPM HEXANE COLD STAB    0.59    7.5   316.1   1.97   26.9
  ICO[ACT] =  2.9 %CO HOT TRANS    0.81   11.7   283.6   2.74   29.1
  ICO[SPEC] = N/A %CO 75 FTP       0.89   11.2   308.2   2.40   27.0
  OTHER TESTS:        S/C SERIES

6309 76 TOYO CELI 133 COLD TRANS   1.46   21.2   406.6   4.18   20.0
  IHC=  60 PPM HEXANE COLD STAB    0.85   14.2   417.0   1.32   20.1
  ICO[ACT] =  0.1 %CO HOT TRANS    1.41    9.0   358.2   4.11   23.5
  ICO[SPEC] = N/A %CO 75 FTP       1.13   14.2   398.8   2.67   20.9
  OTHER TESTS:        S/C SERIES

6310 76 TOYO STAW  97 COLD TRANS   2.29   20.1   361.6   4.06   22.2
  IHC= 160 PPM HEXANE COLD STAB    1.11   16.3   380.1   1.63   21.7
  ICO[ACT] =  0.3 %CO HOT TRANS    1.41   12.2   325.9   3.55   25.4
  ICO[SPEC] = N/A %CO 75 FTP       1.43   15.9   361.5   2.65   22.7
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                               MPG
VEH                            -----GRAMS PER MILE-----       FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2   NOxc   ECON
-------------------------------------------------------------------
6311 76 TOYO CELI 133 COLD TRANS  1.47   19.8   445.3  3.35   18.4
  IHC=  40 PPM HEXANE COLD STAB   0.36   11.1   509.8  1.12   16.8
  ICO[ACT] =  0.2 %CO HOT TRANS   0.55    9.0   411.7  3.09   20.8
  ICO[SPEC] = N/A %CO 75 FTP      0.64   12.3   469.7  2.11   18.1
  OTHER TESTS:        S/C SERIES

6312 76 TOYO CORO  97 COLD TRANS  1.81   22.5   378.6  3.61   21.1
  IHC=  65 PPM HEXANE COLD STAB   0.62   17.4   413.4  1.49   20.0
  ICO[ACT] =  0.6 %CO HOT TRANS   0.92   11.8   342.6  3.09   24.4
  ICO[SPEC] = N/A %CO 75 FTP      0.95   16.9   386.9  2.36   21.3
  OTHER TESTS:        S/C SERIES

6313 76 VOLK SCIR  97 COLD TRANS  1.88   31.6   379.0  1.90   20.4
  IHC=  37 PPM HEXANE COLD STAB   0.15    0.1   382.1  1.59   23.2
  ICO[ACT] =  0.0 %CO HOT TRANS   0.26    0.5   337.2  2.00   26.2
  ICO[SPEC]=  1.5 %CO 75 FTP      0.53    6.7   369.2  1.77   23.3
  OTHER TESTS:        S/C SERIES

6314 76 VOLK RABB  97 COLD TRANS  1.08   29.6   433.5  2.09   18.4
  IHC=  96 PPM HEXANE COLD STAB   0.12    0.0   379.4  1.63   23.4
  ICO[ACT] =  0.0 %CO HOT TRANS   0.26    0.5   368.6  2.52   24.0
  ICO[SPEC]=  1.0 %CO 75 FTP      0.36    6.3   387.6  1.97   22.3
  OTHER TESTS:        S/C SERIES

6315 76 VOLK DASH  97 COLD TRANS  1.88   16.5   390.7  2.96   21.0
  IHC= 175 PPM HEXANE COLD STAB   1.54   14.2   363.3  1.70   22.7
  ICO[ACT] =  2.9 %CO HOT TRANS   1.65   11.0   343.0  2.84   24.3
  ICO[SPEC] = N/A %CO 75 FTP      1.64   13.8   363.4  2.27   22.7
  OTHER TESTS:        S/C SERIES

6316 76 VOLV STAW 130 COLD TRANS  1.75   25.7   539.1  3.57   15.2
  IHC=  50 PPM HEXANE COLD STAB   0.48   12.3   543.9  1.95   15.7
  ICO[ACT] =  0.2 %CO HOT TRANS   0.69   13.5   492.2  3.07   17.2
  ICO[SPEC]=  2.0 %CO 75 FTP      0.80   15.4   528.8  2.59   16.0
  OTHER TESTS:        S/C SERIES

5052 75 AMC  HORN 258 COLD TRANS  1.80   42.8   510.8  1.94   15.2
  IHC= 130 PPM HEXANE COLD STAB   1.20    6.8   481.0  2.66   17.9
  ICO[ACT] =  0.3 %CO HOT TRANS   0.92    5.1   460.8  2.19   18.8
  ICO[SPEC]=  1.0 %CO 75 FTP      1.25   13.8   481.6  2.38   17.5
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                    MPG
VEH                                  -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc    ECON
---------------------------------------------------------------------
5053 75 BUIC REGA 350 COLD TRANS   2.03   24.5   608.0   3.66   13.6
  IHC=  80 PPM HEXANE COLD STAB    0.20    0.5   645.5   1.66   13.7
  ICO[ACT] =   0.6 %CO HOT TRANS   0.46    1.0   558.5   3.30   15.8
  ICO[SPEC] = N/A %CO 75 FTP       0.65    5.6   614.0   2.52   14.2
  OTHER TESTS:        S/C SERIES

5054 75 BUIC RIVI 455 COLD TRANS   1.97   27.9   838.5   3.13   10.0
  IHC= 110 PPM HEXANE COLD STAB    0.94   29.8   791.3   1.09   10.6
  ICO[ACT] =   1.9 %CO HOT TRANS   1.16   17.0   723.1   2.56   11.8
  ICO[SPEC] = N/A %CO 75 FTP       1.21   25.9   782.4   1.91   10.7
  OTHER TESTS:        S/C SERIES

5055 75 CADI DEVI 500 COLD TRANS   2.49   42.3   798.0   1.44   10.2
  IHC= 200 PPM HEXANE COLD STAB    1.40   26.7   776.9   0.94   10.8
  ICO[ACT] =   1.4 %CO HOT TRANS   0.95   14.5   738.3   1.23   11.6
  ICO[SPEC] = N/A %CO 75 FTP       1.50   26.6   770.7   1.12   10.9
  OTHER TESTS:        S/C SERIES

5056 75 CHEV STAW 140 COLD TRANS   2.39   49.0   358.2   2.45   20.0
  IHC= 380 PPM HEXANE COLD STAB    0.52   11.3   406.1   1.96   20.9
  ICO[ACT] =   5.0 %CO HOT TRANS   0.72   10.6   326.2   2.45   25.7
  ICO[SPEC] = N/A %CO 75 FTP       0.96   18.9   374.4   2.19   21.8
  OTHER TESTS:        S/C SERIES

5057 75 CHEV MALI 350 COLD TRANS   2.13   35.0   606.7   4.01   13.3
  IHC= 180 PPM HEXANE COLD STAB    1.99   37.0   567.1   1.27   14.1
  ICO[ACT] =   1.1 %CO HOT TRANS   0.97   13.1   541.9   3.60   15.7
  ICO[SPEC] = N/A %CO 75 FTP       1.74   30.0   568.4   2.47   14.3
  OTHER TESTS:        S/C SERIES

5058 75 CHEV IMPA 350 COLD TRANS   1.52   23.3   708.9   2.76   11.8
  IHC=  25 PPM HEXANE COLD STAB    0.20    4.6   700.0   0.99   12.5
  ICO[ACT] =   0.1 %CO HOT TRANS   0.43    7.9   645.4   2.31   13.5
  ICO[SPEC] = N/A %CO 75 FTP       0.53    9.4   686.9   1.71   12.6
  OTHER TESTS:        S/C SERIES

5059 75 CHEV STAW 400 COLD TRANS   0.94   15.8   793.6   3.99   10.8
  IHC=  42 PPM HEXANE COLD STAB    0.19    0.0   756.5   2.08   11.7
  ICO[ACT] =   0.0 %CO HOT TRANS   0.29    0.7   688.0   3.83   12.9
  ICO[SPEC] = N/A %CO 75 FTP       0.37    3.4   745.4   2.95   11.8
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                               MPG
VEH                                 -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC    CO     CO2    NOxc   ECON
------------------------------------------------------------------
5060 75 CHEV NOVA 250 COLD TRANS  1.03  13.6   548.4  3.01   15.5
  IHC=  40 PPM HEXANE COLD STAB   0.10   0.0   520.5  1.58   17.0
  ICO[ACT] =  0.1 %CO HOT TRANS   0.33   1.3   498.6  1.84   17.7
  ICO[SPEC] = N/A %CO 75 FTP      0.35   3.1   520.3  1.95   16.9
  OTHER TESTS:        S/C SERIES

5061 75 CHRY CORD 360 COLD TRANS  4.10  53.6   797.5  2.42    9.9
  IHC=  80 PPM HEXANE COLD STAB   1.38  54.1   761.0  1.24   10.4
  ICO[ACT] =  4.2 %CO HOT TRANS   1.20  29.1   654.9  2.69   12.6
  ICO[SPEC] = N/A %CO 75 FTP      1.89  47.1   739.5  1.88   10.8
  OTHER TESTS:        S/C SERIES

5062 75 DODG CHAR 318 COLD TRANS  3.70 111.5   648.0  1.70   10.6
  IHC=  50 PPM HEXANE COLD STAB   0.61  26.6   761.4  1.48   11.0
  ICO[ACT] =  0.4 %CO HOT TRANS   1.25  48.9   635.2  1.90   12.4
  ICO[SPEC] = N/A %CO 75 FTP      1.42  50.2   703.6  1.64   11.3
  OTHER TESTS:        S/C SERIES

5063 75 FORD MUST 140 COLD TRANS  1.16  20.1   489.0  2.22   16.9
  IHC=  35 PPM HEXANE COLD STAB   0.59  13.8   561.3  1.25   15.2
  ICO[ACT] =  1.1 %CO HOT TRANS   0.71  10.8   454.1  1.98   18.8
  ICO[SPEC] = N/A %CO 75 FTP      0.74  14.3   517.2  1.65   16.4
  OTHER TESTS:        S/C SERIES

5064 75 FORD LTD  351 COLD TRANS  2.79  10.4   742.7  3.80   11.6
  IHC=  70 PPM HEXANE COLD STAB   1.31   3.5   757.4  1.50   11.6
  ICO[ACT] =  0.2 %CO HOT TRANS   1.47   3.6   670.7  3.49   13.0
  ICO[SPEC] = N/A %CO 75 FTP      1.66   4.9   730.7  2.51   11.9
  OTHER TESTS:        S/C SERIES

5065 75 FORD LTD  400 COLD TRANS  1.36  20.8   912.6  2.75    9.3
  IHC=  70 PPM HEXANE COLD STAB   0.94   7.2   767.2  2.27   11.4
  ICO[ACT] =  0.4 %CO HOT TRANS   0.83   6.4   755.4  2.28   11.6
  ICO[SPEC] = N/A %CO 75 FTP      1.00   9.8   793.9  2.37   10.9
  OTHER TESTS:        S/C SERIES

5066 75 FORD GRAN 250 COLD TRANS  0.87  20.4   649.8  4.16   13.0
  IHC=  50 PPM HEXANE COLD STAB   0.08   0.5   626.4  2.70   14.1
  ICO[ACT] =  0.1 %CO HOT TRANS   0.29   3.9   570.4  3.90   15.4
  ICO[SPEC] = N/A %CO 75 FTP      0.30   5.5   615.9  3.33   14.2
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO. YR MAKE MODL CID	TEST TYPE	HC	CO	CO_2	NOx_c	MPG FUEL ECON
		-----GRAMS PER MILE-----				
5067 75 FORD GRAN 302	COLD TRANS	1.30	12.0	673.8	2.69	12.7
IHC= 45 PPM HEXANE	COLD STAB	0.48	0.3	648.9	2.42	13.6
ICO[ACT] = 0.0 %CO	HOT TRANS	0.80	1.7	598.7	3.36	14.7
ICO[SPEC] = N/A %CO	75 FTP	0.74	3.1	640.3	2.73	13.7
OTHER TESTS:	S/C SERIES					
5068 75 MERC COUG 351	COLD TRANS	4.38	30.8	673.9	3.01	12.1
IHC= 340 PPM HEXANE	COLD STAB	3.32	36.0	722.8	1.75	11.2
ICO[ACT] = 2.7 %CO	HOT TRANS	2.47	18.3	651.0	3.03	12.9
ICO[SPEC] = N/A %CO	75 FTP	3.30	30.1	693.2	2.36	11.8
OTHER TESTS:	S/C SERIES					
5069 75 OLDS CUTL 350	COLD TRANS	2.33	19.5	615.0	1.71	13.6
IHC= 340 PPM HEXANE	COLD STAB	1.70	16.8	569.6	1.33	14.8
ICO[ACT] = 1.5 %CO	HOT TRANS	1.02	7.6	541.5	1.58	15.9
ICO[SPEC] = N/A %CO	75 FTP	1.64	14.8	571.2	1.48	14.8
OTHER TESTS:	S/C SERIES					
5070 75 OLDS NNTY 455	COLD TRANS	2.17	17.9	803.3	1.60	10.6
IHC= 300 PPM HEXANE	COLD STAB	1.06	18.2	703.8	1.14	12.1
ICO[ACT] = 2.9 %CO	HOT TRANS	0.72	8.1	697.5	1.56	12.5
ICO[SPEC] = N/A %CO	75 FTP	1.20	15.4	722.6	1.35	11.8
OTHER TESTS:	S/C SERIES					
5071 75 PLYM VALI 225	COLD TRANS	2.61	54.1	528.7	2.31	14.3
IHC= 230 PPM HEXANE	COLD STAB	1.09	39.1	515.5	1.08	15.3
ICO[ACT] = 5.8 %CO	HOT TRANS	1.18	18.0	479.1	2.07	17.4
ICO[SPEC]= 0.5 %CO	75 FTP	1.43	36.5	508.3	1.60	15.6
OTHER TESTS:	S/C SERIES					
5072 75 PLYM STAW 400	COLD TRANS	1.79	45.4	777.8	2.43	10.4
IHC= 40 PPM HEXANE	COLD STAB	0.06	2.8	808.8	1.95	10.9
ICO[ACT] = 0.2 %CO	HOT TRANS	0.62	32.4	680.4	2.60	12.1
ICO[SPEC] = N/A %CO	75 FTP	0.57	19.6	767.4	2.22	11.1
OTHER TESTS:	S/C SERIES					
5073 75 PONT GRNP 455	COLD TRANS	10.32	124.5	634.9	1.29	10.3
IHC= 390 PPM HEXANE	COLD STAB	8.11	130.7	627.9	0.44	10.3
ICO[ACT] = 7.2 %CO	HOT TRANS	5.42	96.2	573.4	1.18	12.0
ICO[SPEC] = N/A %CO	75 FTP	7.83	120.0	614.5	0.82	10.7
OTHER TESTS:	S/C SERIES					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                              MPG
VEH                                 -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2   NOxc   ECON
-------------------------------------------------------------------
5074 75 PONT LEMA 350 COLD TRANS  2.23   38.8   661.2  2.43   12.2
 IHC= 140 PPM HEXANE  COLD STAB   1.03   18.8   634.2  2.18   13.3
 ICO[ACT] =   2.5 %CO HOT TRANS   1.07   18.0   585.0  2.89   14.4
 ICO[SPEC] = N/A %CO  75 FTP      1.29   22.7   626.3  2.42   13.3
 OTHER TESTS:         S/C SERIES

5075 75 DATS SEDA  85 COLD TRANS  1.37   13.8   334.8  3.33   24.6
 IHC=  90 PPM HEXANE  COLD STAB   1.08    6.6   355.5  1.48   24.0
 ICO[ACT] =   0.6 %CO HOT TRANS   1.02    6.6   301.1  3.17   28.2
 ICO[SPEC]=   2.0 %CO 75 FTP      1.12    8.1   336.4  2.32   25.2
 OTHER TESTS:         S/C SERIES

5076 75 TOYO STAW 133 COLD TRANS  2.16   17.7   448.0  4.98   18.4
 IHC=  90 PPM HEXANE  COLD STAB   1.25   12.3   482.4  1.56   17.6
 ICO[ACT] =   0.5 %CO HOT TRANS   1.16    7.9   409.7  4.17   20.8
 ICO[SPEC] = N/A %CO  75 FTP      1.42   12.2   455.5  2.98   18.5
 OTHER TESTS:         S/C SERIES

5077 75 TOYO CORO  97 COLD TRANS  2.36   20.5   391.3  4.48   20.6
 IHC=  45 PPM HEXANE  COLD STAB   0.69   12.6   420.9  1.49   20.0
 ICO[ACT] =   0.4 %CO HOT TRANS   1.14   10.2   354.6  3.27   23.7
 ICO[SPEC] = N/A %CO  75 FTP      1.16   13.5   396.7  2.59   21.0
 OTHER TESTS:         S/C SERIES

5078 75 VOLK SEDA  97 COLD TRANS  2.53   23.4   318.7  3.05   24.4
 IHC= 170 PPM HEXANE  COLD STAB   1.63   15.9   340.4  1.91   23.9
 ICO[ACT] =   1.1 %CO HOT TRANS   1.54   11.2   294.2  2.64   28.0
 ICO[SPEC] = N/A %CO  75 FTP      1.79   16.2   323.3  2.34   25.0
 OTHER TESTS:         S/C SERIES

5079 75 VOLK RABB  90 COLD TRANS  1.03    8.1   375.7  2.26   22.7
 IHC=  60 PPM HEXANE  COLD STAB   0.14    0.0   387.1  1.20   22.9
 ICO[ACT] =   0.1 %CO HOT TRANS   0.22    0.4   332.2  1.81   26.6
 ICO[SPEC]=   2.5 %CO 75 FTP      0.34    1.8   369.8  1.59   23.8
 OTHER TESTS:         S/C SERIES

5317 75 AMC  MATA 304 COLD TRANS  1.59   25.2   607.9  6.93   13.6
 IHC=  60 PPM HEXANE  COLD STAB   0.48    3.7   643.6  4.12   13.6
 ICO[ACT] =   0.2 %CO HOT TRANS   0.49    3.8   564.5  7.87   15.5
 ICO[SPEC] = N/A %CO  75 FTP      0.71    8.2   614.7  5.72   14.1
 OTHER TESTS:         S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                    MPG
VEH                                -----GRAMS PER MILE-----         FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2     NOxc     ECON
------------------------------------------------------------------------
5318 75 BUIC SKYH 231 COLD TRANS   1.67   27.1   476.1    4.60     16.9
  IHC= 140 PPM HEXANE COLD STAB    1.40   25.3   462.7    2.38     17.5
  ICO[ACT] =  1.7 %CO HOT TRANS    0.76   11.0   432.4    3.49     19.6
  ICO[SPEC] = N/A %CO 75 FTP       1.28   21.8   457.2    3.14     17.9
  OTHER TESTS:        S/C SERIES

5319 75 CADI DEVI 500 COLD TRANS   4.44  101.8   744.1    1.49      9.7
  IHC= 330 PPM HEXANE COLD STAB    4.22   88.4   682.0    1.91     10.6
  ICO[ACT] =  3.6 %CO HOT TRANS    3.28   67.6   646.8    1.73     11.6
  ICO[SPEC] = N/A %CO 75 FTP       4.01   85.5   685.2    1.78     10.7
  OTHER TESTS:        S/C SERIES

5320 75 CHEV VEGA 140 COLD TRANS   1.79   61.3   474.3    1.31     15.4
  IHC=  90 PPM HEXANE COLD STAB    0.65   25.7   462.4    0.62     17.6
  ICO[ACT] =  0.7 %CO HOT TRANS    1.07   33.4   419.1    0.98     18.7
  ICO[SPEC] = N/A %CO 75 FTP       1.00   35.1   453.0    0.86     17.4
  OTHER TESTS:        S/C SERIES

5321 75 CHEV CAPR 350 COLD TRANS   2.03   44.3   709.9    2.73     11.3
  IHC=  20 PPM HEXANE COLD STAB    0.16    3.2   713.0    1.36     12.4
  ICO[ACT] =  0.1 %CO HOT TRANS    0.10    2.2   449.3    0.86     19.6
  ICO[SPEC] = N/A %CO 75 FTP       0.53   11.4   640.4    1.50     13.4
  OTHER TESTS:        S/C SERIES

5322 75 CHEV NOVA 262 COLD TRANS   1.35   18.9   563.1    2.23     14.9
  IHC=  35 PPM HEXANE COLD STAB    0.25    0.0   531.8    1.58     16.7
  ICO[ACT] =  0.0 %CO HOT TRANS    0.41    1.0   489.4    2.00     18.0
  ICO[SPEC] = N/A %CO 75 FTP       0.52    4.2   526.7    1.83     16.6
  OTHER TESTS:        S/C SERIES

5323 75 CHEV MONT 350 COLD TRANS   1.63   33.2   647.5    3.11     12.6
  IHC=  26 PPM HEXANE COLD STAB    0.23    5.7   679.2    1.39     12.9
  ICO[ACT] =  0.0 %CO HOT TRANS    0.46   10.2   601.4    2.63     14.3
  ICO[SPEC] = N/A %CO 75 FTP       0.58   12.6   651.5    2.08     13.2
  OTHER TESTS:        S/C SERIES

5324 75 CHEV CAPR 400 COLD TRANS   1.70   34.3   778.9    3.48     10.6
  IHC=  30 PPM HEXANE COLD STAB    0.20    0.0   770.5    1.93     11.5
  ICO[ACT] =  0.1 %CO HOT TRANS    0.26    0.7   687.1    3.26     12.9
  ICO[SPEC] = N/A %CO 75 FTP       0.52    7.2   749.5    2.61     11.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                      MPG
VEH                                     -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC    CO     CO2   NOxc   ECON
------------------------------------------------------------------------
5325 75 DODG DART 225 COLD TRANS   1.58  28.8  524.6  2.15   15.4
  IHC= 210 PPM HEXANE COLD STAB    1.21  39.4  494.1  0.78   15.9
  ICO[ACT] =  6.5 $CO HOT TRANS    1.53  21.5  458.5  1.71   17.9
  ICO[SPEC]=  0.3 $CO 75 FTP       1.37  32.3  490.7  1.31   16.3
  OTHER TESTS:        S/C SERIES

5326 75 FORD STAW 171 COLD TRANS   0.72  20.4  682.0  1.43   12.4
  IHC=  20 PPM HEXANE COLD STAB    0.10   2.9  730.7  0.90   12.1
  ICO[ACT] =  0.0 $CO HOT TRANS    0.87   4.9  611.5  1.12   14.3
  ICO[SPEC] = N/A $CO 75 FTP       0.44   7.1  688.2  1.07   12.7
  OTHER TESTS:        S/C SERIES

5327 75 FORD LTD  400 COLD TRANS   1.62   8.4  795.2  3.54   10.9
  IHC= 180 PPM HEXANE COLD STAB    1.92   5.0  747.9  1.87   11.7
  ICO[ACT] =  0.2 $CO HOT TRANS    1.77   6.7  677.6  3.60   12.8
  ICO[SPEC] = N/A $CO 75 FTP       1.82   6.1  738.5  2.68   11.8
  OTHER TESTS:        S/C SERIES

5328 75 FORD STAW 351 COLD TRANS   1.48   6.7  721.5  6.35   12.0
  IHC= 570 PPM HEXANE COLD STAB    1.72   4.1  713.2  2.94   12.2
  ICO[ACT] =  0.1 $CO HOT TRANS    1.92   4.1  622.9  6.68   14.0
  ICO[SPEC] = N/A $CO 75 FTP       1.72   4.7  690.3  4.66   12.6
  OTHER TESTS:        S/C SERIES

5329 75 LINC CONT 460 COLD TRANS   4.66  88.8  835.8  2.91    9.0
  IHC=  45 PPM HEXANE COLD STAB    1.13  52.2  936.6  1.29    8.7
  ICO[ACT] =  0.8 $CO HOT TRANS    0.87  19.7  833.6  2.72   10.2
  ICO[SPEC] = N/A $CO 75 FTP       1.79  50.9  887.7  2.01    9.1
  OTHER TESTS:        S/C SERIES

5330 75 MERC MONG 351 COLD TRANS   2.34  25.8  704.3  5.17   11.8
  IHC= 120 PPM HEXANE COLD STAB    1.90  36.5  643.3  2.19   12.6
  ICO[ACT] =  2.0 $CO HOT TRANS    2.42  24.9  603.8  5.07   13.6
  ICO[SPEC] = N/A $CO 75 FTP       2.13  31.1  645.1  3.59   12.7
  OTHER TESTS:        S/C SERIES

5331 75 OLDS OMEG 260 COLD TRANS   2.10  29.2  546.8  6.76   14.8
  IHC=  30 PPM HEXANE COLD STAB    0.53   3.0  523.2  5.11   16.8
  ICO[ACT] =  0.0 $CO HOT TRANS    0.75   6.4  477.9  6.66   18.1
  ICO[SPEC] = N/A $CO 75 FTP       0.91   9.3  515.7  5.87   16.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                   MPG
VEH                                   -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc     ECON
-----------------------------------------------------------------------
5332 75 OLDS DELT 350 COLD TRANS  2.49   42.4   662.9   1.55     12.0
  IHC= 140 PPM HEXANE COLD STAB   1.41   22.6   618.6   0.83     13.5
  ICO[ACT] =  1.3 %CO HOT TRANS   1.27   21.2   581.0   1.50     14.4
  ICO[SPEC] = N/A %CO 75 FTP      1.60   26.3   617.5   1.16     13.4
  OTHER TESTS:        S/C SERIES

5333 75 PLYM FRY3 360 COLD TRANS  1.77   52.0   645.8   3.90     12.1
  IHC=  65 PPM HEXANE COLD STAB   0.24    6.2   718.5   1.59     12.2
  ICO[ACT] =  1.0 %CO HOT TRANS   0.27    4.7   602.8   4.17     14.5
  ICO[SPEC] = N/A %CO 75 FTP      0.56   15.2   672.0   2.77     12.7
  OTHER TESTS:        S/C SERIES

5334 75 PONT LEMA 350 COLD TRANS  2.29   47.8   646.5   5.88     12.2
  IHC=  60 PPM HEXANE COLD STAB   0.52    4.0   651.1   2.38     13.5
  ICO[ACT] =  0.5 %CO HOT TRANS   0.69   10.3   591.7   3.26     14.5
  ICO[SPEC] = N/A %CO 75 FTP      0.93   14.7   633.9   3.34     13.4
  OTHER TESTS:        S/C SERIES

5335 75 DATS B210  85 COLD TRANS  2.30   23.9   349.8   4.47     22.5
  IHC= 280 PPM HEXANE COLD STAB   1.82    9.6   289.2   2.83     28.6
  ICO[ACT] =  1.4 %CO HOT TRANS   1.70    9.6   295.9   3.90     28.1
  ICO[SPEC]=  2.0 %CO 75 FTP      1.88   12.5   303.5   3.46     27.0
  OTHER TESTS:        S/C SERIES

5336 75 FIAT SEDA  79 COLD TRANS  1.80   32.4   346.9   1.83     22.0
  IHC= 350 PPM HEXANE COLD STAB   2.02   19.4   350.1   1.17     22.9
  ICO[ACT] =  0.1 %CO HOT TRANS   1.35   24.3   299.2   1.58     26.0
  ICO[SPEC]=  0.5 %CO 75 FTP      1.79   23.4   335.6   1.42     23.5
  OTHER TESTS:        S/C SERIES

5337 75 HOND CIVI  91 COLD TRANS  1.78   11.9   279.2   2.74     29.2
  IHC= 350 PPM HEXANE COLD STAB   0.78    4.1   300.2   1.79     28.7
  ICO[ACT] =  0.4 %CO HOT TRANS   3.29    4.2   263.6   2.75     31.6
  ICO[SPEC]=  0.4 %CO 75 FTP      1.67    5.7   285.9   2.25     29.6
  OTHER TESTS:        S/C SERIES

5338 75 MAZD RX4   80 COLD TRANS 10.97   98.1   531.5   0.97     12.3
  IHC= 480 PPM HEXANE COLD STAB  14.92  127.2   500.5   0.55     11.9
  ICO[ACT] =  3.2 %CO HOT TRANS   8.22   41.7   496.7   1.07     15.1
  ICO[SPEC] = N/A %CO 75 FTP     12.28   97.9   505.8   0.78     12.7
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO.	YR	MAKE	MODL	CID	TEST	TYPE	-----GRAMS PER MILE-----				MPG FUEL ECON
							HC	CO	CO$_2$	NOx$_c$	
4080	74	AMC	STAW	304	COLD	TRANS	5.64	55.2	620.5	4.20	12.2
IHC= 200 PPM HEXANE					COLD	STAB	3.40	32.9	583.6	2.28	13.7
ICO[ACT] = 1.8 %CO					HOT	TRANS	3.79	30.0	543.9	3.93	14.7
ICO[SPEC]= 0.5 %CO					75	FTP	3.97	36.7	580.4	3.13	13.6
OTHER TESTS:					S/C	SERIES					
4081	74	BUIC	ELEC	455	COLD	TRANS	4.13	61.7	815.4	2.30	9.6
IHC= 155 PPM HEXANE					COLD	STAB	2.84	34.9	781.2	1.41	10.5
ICO[ACT] = 3.1 %CO					HOT	TRANS	2.78	27.4	701.4	2.37	11.8
ICO[SPEC]= 0.3 %CO					75	FTP	3.09	38.4	766.5	1.85	10.6
OTHER TESTS:					S/C	SERIES					
4082	74	CADI	DEVI	472	COLD	TRANS	3.03	71.8	940.5	1.04	8.3
IHC= 160 PPM HEXANE					COLD	STAB	1.79	27.7	825.7	1.00	10.1
ICO[ACT] = 1.5 %CO					HOT	TRANS	1.32	18.7	776.2	1.32	11.0
ICO[SPEC] = N/A %CO					75	FTP	1.92	34.3	835.8	1.09	9.9
OTHER TESTS:					S/C	SERIES					
4083	74	CHEV	VEGA	140	COLD	TRANS	3.11	54.1	438.5	3.32	16.6
IHC= 130 PPM HEXANE					COLD	STAB	1.78	9.5	387.9	3.23	21.7
ICO[ACT] = 0.6 %CO					HOT	TRANS	1.71	15.2	376.9	3.20	21.9
ICO[SPEC] = N/A %CO					75	FTP	2.04	20.2	395.3	3.24	20.5
OTHER TESTS:					S/C	SERIES					
4084	74	CHEV	MALI	350	COLD	TRANS	3.24	42.9	647.0	2.25	12.2
IHC= 240 PPM HEXANE					COLD	STAB	2.38	39.1	657.3	0.86	12.2
ICO[ACT] = 1.6 %CO					HOT	TRANS	2.51	24.8	563.0	1.89	14.6
ICO[SPEC]= 0.5 %CO					75	FTP	2.59	36.0	629.4	1.43	12.8
OTHER TESTS:					S/C	SERIES					
4085	74	CHEV	NOVA	250	COLD	TRANS	11.35	33.4	509.7	3.47	14.8
IHC= 740 PPM HEXANE					COLD	STAB	4.20	33.0	508.3	1.54	15.5
ICO[ACT] = 3.7 %CO					HOT	TRANS	10.82	17.6	451.7	2.88	17.3
ICO[SPEC]= 0.3 %CO					75	FTP	7.48	28.9	493.2	2.31	15.8
OTHER TESTS:					S/C	SERIES					
4086	74	CHEV	NOVA	350	COLD	TRANS	3.76	35.9	760.2	3.26	10.7
IHC= 205 PPM HEXANE					COLD	STAB	4.10	33.4	1074.8	5.33	7.8
ICO[ACT] = 3.0 %CO					HOT	TRANS	3.02	19.2	818.2	8.55	10.3
ICO[SPEC] = N/A %CO					75	FTP	3.73	30.0	940.1	5.78	8.9
OTHER TESTS:					S/C	SERIES					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                  MPG
VEH                                 -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2    NOxc   ECON
-----------------------------------------------------------------------
4087 74 CHEV IMPA 350 COLD TRANS   3.97   46.9   714.1   3.16   11.1
  IHC=  90 PPM HEXANE COLD STAB    2.76   22.2   691.8   1.47   12.1
  ICO[ACT] =  0.3 %CO HOT TRANS    2.75   23.8   630.8   2.88   13.1
  ICO[SPEC] = N/A %CO 75 FTP       3.01   27.7   679.7   2.20   12.1
  OTHER TESTS:        S/C SERIES

4088 74 CHEV STAW 400 COLD TRANS  14.20  192.0   719.7   2.58    8.3
  IHC= 200 PPM HEXANE COLD STAB    3.90   41.7   751.4   1.37   10.7
  ICO[ACT] =  2.6 %CO HOT TRANS    3.16   41.1   661.7   2.59   12.1
  ICO[SPEC]=  0.5 %CO 75 FTP       5.82   72.4   720.4   1.96   10.4
  OTHER TESTS:        S/C SERIES

4089 74 CHRY NEWP 400 COLD TRANS   5.06   21.5   643.9   6.83   12.8
  IHC= 220 PPM HEXANE COLD STAB    3.52   97.2   688.6   2.15   10.4
  ICO[ACT] =  5.8 %CO HOT TRANS    3.03   49.2   615.4   5.97   12.6
  ICO[SPEC]=  0.5 %CO 75 FTP       3.70   68.5   659.4   4.16   11.4
  OTHER TESTS:        S/C SERIES

4090 74 DODG CHAR 318 COLD TRANS   4.28   41.3   599.2   6.64   13.1
  IHC= 320 PPM HEXANE COLD STAB    3.72   66.6   567.4   2.89   13.0
  ICO[ACT] =  5.4 %CO HOT TRANS    3.08   30.0   535.4   6.70   15.0
  ICO[SPEC]=  0.5 %CO 75 FTP       3.66   51.4   565.2   4.70   13.5
  OTHER TESTS:        S/C SERIES

4091 74 FORD PINT 122 COLD TRANS   3.97   16.0   387.0   4.01   20.9
  IHC=1480 PPM HEXANE COLD STAB    5.09    4.5   402.3   2.40   20.9
  ICO[ACT] =  0.3 %CO HOT TRANS    3.96    7.3   338.2   3.84   24.5
  ICO[SPEC]=  0.5 %CO 75 FTP       4.55    7.6   381.7   3.12   21.7
  OTHER TESTS:        S/C SERIES

4092 74 FORD TORI 302 COLD TRANS   3.97   42.3   610.9   5.49   12.9
  IHC= 350 PPM HEXANE COLD STAB    3.21   36.8   565.5   2.41   14.0
  ICO[ACT] =  3.3 %CO HOT TRANS    2.99   20.8   539.4   5.74   15.3
  ICO[SPEC]=  0.5 %CO 75 FTP       3.31   33.5   567.7   3.95   14.1
  OTHER TESTS:        S/C SERIES

4093 74 FORD MAVE 250 COLD TRANS   2.65   42.5   497.3   3.64   15.5
  IHC= 270 PPM HEXANE COLD STAB    1.87   35.1   503.7   1.56   15.7
  ICO[ACT] =  3.0 %CO HOT TRANS    2.07   24.4   454.4   3.30   17.8
  ICO[SPEC] = N/A %CO 75 FTP       2.09   33.7   488.9   2.46   16.2
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO. YR MAKE MODL CID	TEST TYPE	GRAMS PER MILE HC	CO	CO_2	NOx_c	MPG FUEL ECON
4094 74 FORD STAW 400	COLD TRANS	2.20	45.6	927.6	2.32	8.8
IHC= 170 PPM HEXANE	COLD STAB	2.10	31.9	921.6	1.96	9.1
ICO[ACT] = 1.0 %CO	HOT TRANS	2.10	24.3	830.7	2.39	10.1
ICO[SPEC]= 0.4 %CO	75 FTP	2.12	32.7	898.0	2.15	9.3
OTHER TESTS:	S/C SERIES					
4095 74 FORD LTD 351	COLD TRANS	4.42	44.8	751.7	3.12	10.6
IHC= 110 PPM HEXANE	COLD STAB	2.53	15.4	789.0	2.78	10.8
ICO[ACT] = 0.1 %CO	HOT TRANS	2.87	14.8	678.3	3.40	12.5
ICO[SPEC] = N/A %CO	75 FTP	3.01	21.3	751.1	3.02	11.2
OTHER TESTS:	S/C SERIES					
4096 74 MERC MONG 351	COLD TRANS	3.84	39.6	675.9	7.66	11.8
IHC= 110 PPM HEXANE	COLD STAB	2.51	21.6	699.6	3.83	12.0
ICO[ACT] = 0.4 %CO	HOT TRANS	2.53	15.4	615.6	7.83	13.7
ICO[SPEC] = N/A %CO	75 FTP	2.79	23.6	671.8	5.71	12.4
OTHER TESTS:	S/C SERIES					
4097 74 OLDS CUTL 350	COLD TRANS	4.69	72.1	756.5	4.46	10.0
IHC= 520 PPM HEXANE	COLD STAB	2.89	20.9	721.9	2.07	11.6
ICO[ACT] = 2.0 %CO	HOT TRANS	2.99	15.7	670.9	4.50	12.6
ICO[SPEC]= 0.5 %CO	75 FTP	3.29	30.0	715.1	3.23	11.5
OTHER TESTS:	S/C SERIES					
4098 74 OLDS NNTY 455	COLD TRANS	2.06	23.5	835.6	3.93	10.1
IHC= 95 PPM HEXANE	COLD STAB	1.27	13.8	847.2	2.32	10.2
ICO[ACT] = 0.5 %CO	HOT TRANS	1.16	10.0	740.1	3.96	11.7
ICO[SPEC]= 0.5 %CO	75 FTP	1.40	14.8	815.6	3.10	10.5
OTHER TESTS:	S/C SERIES					
4099 74 PLYM STAW 318	COLD TRANS	3.49	34.9	689.6	2.44	11.7
IHC= 100 PPM HEXANE	COLD STAB	2.05	27.2	639.0	1.68	12.9
ICO[ACT] = 0.5 %CO	HOT TRANS	2.23	16.0	587.0	3.34	14.3
ICO[SPEC]= 0.5 %CO	75 FTP	2.39	25.7	635.2	2.29	13.0
OTHER TESTS:	S/C SERIES					
4100 74 PLYM DUST 225	COLD TRANS	3.43	51.7	399.5	5.06	18.1
IHC= 110 PPM HEXANE	COLD STAB	2.55	27.3	417.7	3.67	18.9
ICO[ACT] = 1.1 %CO	HOT TRANS	3.06	43.0	374.6	4.44	19.6
ICO[SPEC]= 0.5 %CO	75 FTP	2.87	36.6	402.2	4.17	18.9
OTHER TESTS:	S/C SERIES					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                MPG
VEH                                -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2   NOxc   ECON
--------------------------------------------------------------------
4101 74 PONT GRNV 455 COLD TRANS   3.81   17.0   818.9  5.84   10.3
  IHC= 180 PPM HEXANE COLD STAB    2.73    3.7   747.4  4.43   11.7
  ICO[ACT] =  0.2 %CO HOT TRANS    3.27    5.3   646.6  8.76   13.3
  ICO[SPEC]=  0.3 %CO 75 FTP       3.10    6.9   734.6  5.90   11.8
  OTHER TESTS:        S/C SERIES

4102 74 DATS STAW 119 COLD TRANS   1.69   25.3   405.5  4.40   19.7
  IHC=  70 PPM HEXANE COLD STAB    1.64   14.5   395.0  2.93   21.0
  ICO[ACT] =  0.8 %CO HOT TRANS    1.47   13.3   341.3  4.20   24.2
  ICO[SPEC]=  3.0 %CO 75 FTP       1.60   16.4   382.5  3.58   21.5
  OTHER TESTS:        S/C SERIES

4103 74 TOYO CORO  97 COLD TRANS   2.74   23.3   350.2  6.11   22.4
  IHC= 220 PPM HEXANE COLD STAB    2.30   18.3   357.8  2.57   22.5
  ICO[ACT] =  1.3 %CO HOT TRANS    1.73   11.4   312.2  4.52   26.4
  ICO[SPEC]=  4.0 %CO 75 FTP       2.23   17.5   343.8  3.83   23.5
  OTHER TESTS:        S/C SERIES

4104 74 TOYO CORO 120 COLD TRANS   3.31   39.3   395.1  4.15   19.0
  IHC= 460 PPM HEXANE COLD STAB    2.12   31.2   411.6  2.19   19.0
  ICO[ACT] =  8.2 %CO HOT TRANS    2.61   19.1   378.0  3.91   21.3
  ICO[SPEC]=  4.0 %CO 75 FTP       2.50   29.6   399.0  3.07   19.6
  OTHER TESTS:        S/C SERIES

4105 74 VOLK SEDA  97 COLD TRANS   3.52   25.1   291.6  3.08   25.9
  IHC= 330 PPM HEXANE COLD STAB    3.10   19.8   288.4  1.85   26.9
  ICO[ACT] =  1.8 %CO HOT TRANS    2.72   18.5   275.8  2.89   28.3
  ICO[SPEC]=  1.6 %CO 75 FTP       3.08   20.5   285.6  2.39   27.1
  OTHER TESTS:        S/C SERIES

4106 74 VOLK SEDA  97 COLD TRANS   3.48   44.0   289.1  2.43   24.0
  IHC= 220 PPM HEXANE COLD STAB    2.99   44.8   296.5  1.45   23.6
  ICO[ACT] =  6.2 %CO HOT TRANS    2.23   30.9   267.0  2.29   27.5
  ICO[SPEC]=  2.0 %CO 75 FTP       2.89   40.8   286.9  1.88   24.6
  OTHER TESTS:        S/C SERIES

4339 74 AMC  GREM 258 COLD TRANS   3.87   54.3   443.0  3.61   16.4
  IHC= 270 PPM HEXANE COLD STAB    2.52   74.5   382.9  1.56   17.5
  ICO[ACT] =  6.7 %CO HOT TRANS    2.07   35.8   385.7  3.36   19.8
  ICO[SPEC] = N/A %CO 75 FTP       2.67   59.8   396.0  2.47   17.8
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                     MPG
VEH                                  -----GRAMS PER MILE-----       FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc        ECON
--------------------------------------------------------------------------
4340 74 BUIC CNTY 350 COLD TRANS  4.96   76.3   643.1   1.92   11.4
  IHC= 170 PPM HEXANE COLD STAB   2.43   43.8   622.9   1.14   12.7
  ICO[ACT] =  3.4 %CO HOT TRANS   2.46   22.4   554.7   2.20   14.9
  ICO[SPEC]=  0.3 %CO 75 FTP      2.96   44.7   608.4   1.59   12.9
  OTHER TESTS:        S/C SERIES

4341 74 BUIC ELEC 455 COLD TRANS  5.78  160.0  1169.2   1.41    6.2
  IHC= 110 PPM HEXANE COLD STAB   2.45   45.0  1175.6   1.46    7.1
  ICO[ACT] =  0.8 %CO HOT TRANS   2.62   61.8   964.6   1.31    8.3
  ICO[SPEC]=  0.3 %CO 75 FTP      3.18   73.3  1116.7   1.41    7.1
  OTHER TESTS:        S/C SERIES

4342 74 CHEV MALI 350 COLD TRANS  4.10  119.0   632.1   1.07   10.7
  IHC= 110 PPM HEXANE COLD STAB   1.28    7.5   679.9   1.21   12.8
  ICO[ACT] =  0.1 %CO HOT TRANS   1.81    8.1   566.0   2.12   15.2
  ICO[SPEC]=  0.5 %CO 75 FTP      2.00   30.6   639.0   1.43   12.8
  OTHER TESTS:        S/C SERIES

4343 74 CHEV MALI 350 COLD TRANS 32.75   43.3   679.4   1.88   10.4
  IHC=1700 PPM HEXANE COLD STAB  30.73   20.8   702.8   1.14   10.7
  ICO[ACT] =  0.5 %CO HOT TRANS  27.20   28.3   593.9   1.84   12.2
  ICO[SPEC]=  0.5 %CO 75 FTP     30.18   27.5   668.3   1.48   11.0
  OTHER TESTS:        S/C SERIES

4344 74 CHEV IMPA 350 COLD TRANS  3.14   70.2   748.6   2.12   10.2
  IHC= 200 PPM HEXANE COLD STAB   1.85   27.0   739.3   0.95   11.3
  ICO[ACT] =  1.1 %CO HOT TRANS   2.57   28.4   644.6   1.60   12.7
  ICO[SPEC]=  0.5 %CO 75 FTP      2.31   36.3   715.4   1.37   11.4
  OTHER TESTS:        S/C SERIES

4345 74 CHEV CAPR 400 COLD TRANS  1.48   23.9   672.5   5.51   12.4
  IHC= 100 PPM HEXANE COLD STAB   1.42   12.5   608.0   3.76   14.0
  ICO[ACT] = 0.7 %CO HOT TRANS    1.17   14.4   560.6   5.52   15.1
  ICO[SPEC] = N/A %CO 75 FTP      1.36   15.4   608.3   4.60   13.9
  OTHER TESTS:        S/C SERIES

4346 74 CHEV VEGA 140 COLD TRANS  6.78   34.6   350.1   3.50   20.8
  IHC=1900 PPM HEXANE COLD STAB  15.52   40.5   341.1   4.07   19.5
  ICO[ACT] =  8.5 %CO HOT TRANS   8.08   32.3   296.3   3.60   23.8
  ICO[SPEC]=  0.5 %CO 75 FTP     11.69   37.1   330.7   3.82   20.8
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                    MPG
VEH                                      -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2    NOxc    ECON
----------------------------------------------------------------------
4347 74 DODG DART 225 COLD TRANS   2.57   19.6   491.3   4.50   16.7
  IHC= 190 PPM HEXANE COLD STAB    2.00   15.3   468.4   2.30   17.8
  ICO[ACT] =  0.6 %CO HOT TRANS    2.51   12.6   431.9   4.25   19.3
  ICO[SPEC]=  0.5 %CO 75 FTP       2.26   15.5   463.2   3.28   17.9
  OTHER TESTS:        S/C SERIES

4348 74 DODG DART 318 COLD TRANS   4.53   65.4   580.4   2.77   12.7
  IHC= 260 PPM HEXANE COLD STAB    3.32   66.1   545.2   1.49   13.5
  ICO[ACT] =  5.4 %CO HOT TRANS    2.84   31.5   506.4   2.94   15.7
  ICO[SPEC] = N/A %CO 75 FTP       3.44   56.5   541.8   2.15   13.8
  OTHER TESTS:        S/C SERIES

4349 74 FORD TORI 351 COLD TRANS   4.94   51.6   591.0   5.39   12.9
  IHC= 360 PPM HEXANE COLD STAB    3.66   70.0   521.6   2.26   13.8
  ICO[ACT] =  5.3 %CO HOT TRANS    3.09   33.0   506.5   3.47   15.6
  ICO[SPEC]=  0.5 %CO 75 FTP       3.77   56.1   531.8   3.24   14.0
  OTHER TESTS:        S/C SERIES

4350 74 FORD LTD  400 COLD TRANS   2.44   33.3   739.7   6.19   11.1
  IHC= 170 PPM HEXANE COLD STAB    1.88   35.1   693.4   2.38   11.8
  ICO[ACT] =  2.3 %CO HOT TRANS    1.75   23.9   636.0   5.95   13.1
  ICO[SPEC]=  0.4 %CO 75 FTP       1.96   31.7   687.2   4.14   11.9
  OTHER TESTS:        S/C SERIES

4351 74 FORD THND 460 COLD TRANS   2.89   33.1   764.1   3.49   10.8
  IHC= 235 PPM HEXANE COLD STAB    2.22   35.0   764.2   1.77   10.7
  ICO[ACT] =  2.0 %CO HOT TRANS    2.68   33.5   654.3   3.25   12.4
  ICO[SPEC]=  0.3 %CO 75 FTP       2.48   34.2   734.2   2.53   11.2
  OTHER TESTS:        S/C SERIES

4352 74 FORD MAVE 250 COLD TRANS   2.89   45.3   515.5   2.77   14.9
  IHC= 170 PPM HEXANE COLD STAB    2.24   57.9   474.7   1.28   15.5
  ICO[ACT] =  5.0 %CO HOT TRANS    2.93   38.4   427.5   2.34   17.8
  ICO[SPEC] = N/A %CO 75 FTP       2.56   50.0   470.2   1.88   15.9
  OTHER TESTS:        S/C SERIES

4353 74 LINC MRK4 460 COLD TRANS   4.66   98.9   738.2   4.91    9.8
  IHC= 245 PPM HEXANE COLD STAB    5.17  168.0   705.2   1.66    9.0
  ICO[ACT] =  8.7 %CO HOT TRANS    3.79   95.1   642.9   4.15   11.0
  ICO[SPEC] = N/A %CO 75 FTP       4.69  133.9   695.0   3.01    9.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
VEH                                   -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2   NOxc    ECON
---------------------------------------------------------------------
4354 74 MERC COME 302 COLD TRANS 14.07 104.0   614.9  2.35    10.8
  IHC= 220 PPM HEXANE COLD STAB   4.59  77.1   595.7  1.47    12.1
  ICO[ACT] =  4.7 %CO HOT TRANS   4.78  64.0   552.7  2.35    13.3
  ICO[SPEC]=  0.5 %CO 75 FTP      6.59  79.1   587.9  1.89    12.1
  OTHER TESTS:        S/C SERIES

4355 74 OLDS CUTL 350 COLD TRANS  2.81  42.7   722.6  2.17    11.1
  IHC= 270 PPM HEXANE COLD STAB   2.64  62.1   680.6  1.32    11.3
  ICO[ACT] =  6.5 %CO HOT TRANS   2.44  31.1   626.7  2.25    13.0
  ICO[SPEC]=  2.0 %CO 75 FTP      2.62  49.6   674.5  1.75    11.7
  OTHER TESTS:        S/C SERIES

4356 74 PLYM FRY1 360 COLD TRANS  5.01  84.2   660.6  3.46    11.0
  IHC= 240 PPM HEXANE COLD STAB   4.54 122.0   644.7  2.16    10.4
  ICO[ACT] =  7.6 %CO HOT TRANS   3.82  66.9   564.6  3.99    13.0
  ICO[SPEC]=  0.5 %CO 75 FTP      4.44  99.2   626.1  2.93    11.1
  OTHER TESTS:        S/C SERIES

4357 74 PONT BONN 400 COLD TRANS  4.10  59.5   834.8  2.85     9.4
  IHC= 330 PPM HEXANE COLD STAB   2.83  38.2   770.6  2.15    10.6
  ICO[ACT] =  4.3 %CO HOT TRANS   2.97  23.5   686.8  3.66    12.1
  ICO[SPEC] = N/A %CO 75 FTP      3.13  38.6   761.0  2.70    10.7
  OTHER TESTS:        S/C SERIES

4358 74 PONT VENT 350 COLD TRANS  4.95  71.1   730.3  1.41    10.3
  IHC= 250 PPM HEXANE COLD STAB   2.16  32.5   703.2  0.90    11.7
  ICO[ACT] =  4.3 %CO HOT TRANS   1.84  18.4   628.6  1.49    13.4
  ICO[SPEC] = N/A %CO 75 FTP      2.64  36.6   688.4  1.17    11.8
  OTHER TESTS:        S/C SERIES

4359 74 CAPR SEDA 122 COLD TRANS  2.58  30.0   402.7  5.74    19.4
  IHC= 200 PPM HEXANE COLD STAB   1.77  16.2   353.7  2.99    23.1
  ICO[ACT] =  3.0 %CO HOT TRANS   1.65   9.1   351.7  5.23    23.9
  ICO[SPEC]=  1.5 %CO 75 FTP      1.90  17.1   363.2  4.17    22.4
  OTHER TESTS:        S/C SERIES

4360 74 DATS SEDA  79 COLD TRANS  2.96  45.3   309.5  4.57    22.8
  IHC= 325 PPM HEXANE COLD STAB   2.17  20.2   250.2  3.16    30.7
  ICO[ACT] =  5.0 %CO HOT TRANS   2.33  15.0   258.5  4.60    30.7
  ICO[SPEC]=  1.5 %CO 75 FTP      2.38  23.9   264.7  3.84    28.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                      MPG
VEH                                  -----GRAMS PER MILE-----       FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2   NOxc       ECON
-------------------------------------------------------------------------
4347 74 DODG DART 225 COLD TRANS   2.57   19.6   491.3   4.50   16.7
  IHC= 190 PPM HEXANE COLD STAB    2.00   15.3   468.4   2.30   17.8
  ICO[ACT] =  0.6 $CO HOT TRANS    2.51   12.6   431.9   4.25   19.3
  ICO[SPEC]=  0.5 $CO 75 FTP       2.26   15.5   463.2   3.28   17.9
  OTHER TESTS:        S/C SERIES

4348 74 DODG DART 318 COLD TRANS   4.53   65.4   580.4   2.77   12.7
  IHC= 260 PPM HEXANE COLD STAB    3.32   66.1   545.2   1.49   13.5
  ICO[ACT] =  5.4 $CO HOT TRANS    2.84   31.5   506.4   2.94   15.7
  ICO[SPEC] = N/A $CO 75 FTP       3.44   56.5   541.8   2.15   13.8
  OTHER TESTS:        S/C SERIES

4349 74 FORD TORI 351 COLD TRANS   4.94   51.6   591.0   5.39   12.9
  IHC= 360 PPM HEXANE COLD STAB    3.66   70.0   521.6   2.26   13.8
  ICO[ACT] =  5.3 $CO HOT TRANS    3.09   33.0   506.5   3.47   15.6
  ICO[SPEC]=  0.5 $CO 75 FTP       3.77   56.1   531.8   3.24   14.0
  OTHER TESTS:        S/C SERIES

4350 74 FORD LTD  400 COLD TRANS   2.44   33.3   739.7   6.19   11.1
  IHC= 170 PPM HEXANE COLD STAB    1.88   35.1   693.4   2.38   11.8
  ICO[ACT] =  2.3 $CO HOT TRANS    1.75   23.9   636.0   5.95   13.1
  ICO[SPEC]=  0.4 $CO 75 FTP       1.96   31.7   687.2   4.14   11.9
  OTHER TESTS:        S/C SERIES

4351 74 FORD THND 460 COLD TRANS   2.89   33.1   764.1   3.49   10.8
  IHC= 235 PPM HEXANE COLD STAB    2.22   35.0   764.2   1.77   10.7
  ICO[ACT] =  2.0 $CO HOT TRANS    2.68   33.5   654.3   3.25   12.4
  ICO[SPEC]=  0.3 $CO 75 FTP       2.48   34.2   734.2   2.53   11.2
  OTHER TESTS:        S/C SERIES

4352 74 FORD MAVE 250 COLD TRANS   2.89   45.3   515.5   2.77   14.9
  IHC= 170 PPM HEXANE COLD STAB    2.24   57.9   474.7   1.28   15.5
  ICO[ACT] =  5.0 $CO HOT TRANS    2.93   38.4   427.5   2.34   17.8
  ICO[SPEC] = N/A $CO 75 FTP       2.56   50.0   470.2   1.88   15.9
  OTHER TESTS:        S/C SERIES

4353 74 LINC MRK4 460 COLD TRANS   4.66   98.9   738.2   4.91    9.8
  IHC= 245 PPM HEXANE COLD STAB    5.17  168.0   705.2   1.66    9.0
  ICO[ACT] =  3.7 $CO HOT TRANS    3.79   95.1   642.9   4.15   11.0
  ICO[SPEC] = N/A $CO 75 FTP       4.69  133.9   695.0   3.01    9.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                    MPG
VEH                                       -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO      CO2    NOxc      ECON
--------------------------------------------------------------------------
4354 74 MERC COME 302 COLD TRANS 14.07 104.0   614.9   2.35   10.8
  IHC= 220 PPM HEXANE COLD STAB   4.59  77.1   595.7   1.47   12.1
  ICO[ACT] =  4.7 %CO HOT TRANS   4.78  64.0   552.7   2.35   13.3
  ICO[SPEC]=  0.5 %CO 75 FTP      6.59  79.1   587.9   1.89   12.1
  OTHER TESTS:        S/C SERIES

4355 74 OLDS CUTL 350 COLD TRANS  2.81  42.7   722.6   2.17   11.1
  IHC= 270 PPM HEXANE COLD STAB   2.64  62.1   680.6   1.32   11.3
  ICO[ACT] =  6.5 %CO HOT TRANS   2.44  31.1   626.7   2.25   13.0
  ICO[SPEC]=  2.0 %CO 75 FTP      2.62  49.6   674.5   1.75   11.7
  OTHER TESTS:        S/C SERIES

4356 74 PLYM FRY1 360 COLD TRANS  5.01  84.2   660.6   3.46   11.0
  IHC= 240 PPM HEXANE COLD STAB   4.54 122.0   644.7   2.16   10.4
  ICO[ACT] =  7.6 %CO HOT TRANS   3.82  66.9   564.6   3.99   13.0
  ICO[SPEC]=  0.5 %CO 75 FTP      4.44  99.2   626.1   2.93   11.1
  OTHER TESTS:        S/C SERIES

4357 74 PONT BONN 400 COLD TRANS  4.10  59.5   834.8   2.85    9.4
  IHC= 330 PPM HEXANE COLD STAB   2.83  38.2   770.6   2.15   10.6
  ICO[ACT] =  4.3 %CO HOT TRANS   2.97  23.5   686.8   3.66   12.1
  ICO[SPEC] = N/A %CO 75 FTP      3.13  38.6   761.0   2.70   10.7
  OTHER TESTS:        S/C SERIES

4358 74 PONT VENT 350 COLD TRANS  4.95  71.1   730.3   1.41   10.3
  IHC= 250 PPM HEXANE COLD STAB   2.16  32.5   703.2   0.90   11.7
  ICO[ACT] =  4.3 %CO HOT TRANS   1.84  18.4   628.6   1.49   13.4
  ICO[SPEC] = N/A %CO 75 FTP      2.64  36.6   688.4   1.17   11.8
  OTHER TESTS:        S/C SERIES

4359 74 CAPR SEDA 122 COLD TRANS  2.58  30.0   402.7   5.74   19.4
  IHC= 200 PPM HEXANE COLD STAB   1.77  16.2   353.7   2.99   23.1
  ICO[ACT] =  3.0 %CO HOT TRANS   1.65   9.1   351.7   5.23   23.9
  ICO[SPEC]=  1.5 %CO 75 FTP      1.90  17.1   363.2   4.17   22.4
  OTHER TESTS:        S/C SERIES

4360 74 DATS SEDA  79 COLD TRANS  2.96  45.3   309.5   4.57   22.8
  IHC= 325 PPM HEXANE COLD STAB   2.17  20.2   250.2   3.16   30.7
  ICO[ACT] =  5.0 %CO HOT TRANS   2.33  15.0   258.5   4.60   30.7
  ICO[SPEC]=  1.5 %CO 75 FTP      2.38  23.9   264.7   3.84   28.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                    MPG
VEH                                     -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2    NOxc      ECON
------------------------------------------------------------------------
4361 74 MAZD RX3   70 COLD TRANS  4.88   32.7   540.9  1.49  14.6
  IHC= 620 PPM HEXANE COLD STAB   2.62   26.5   551.2  0.46  14.8
  ICO[ACT] =  2.1 $CO HOT TRANS  12.48  113.9   315.1  1.03  16.6
  ICO[SPEC] = N/A $CO 75 FTP      5.78   51.6   484.7  0.83  15.2
  OTHER TESTS:        S/C SERIES

3107 73 AMC  GREM 232 COLD TRANS  3.23   38.4   477.9  1.97  16.2
  IHC= 145 PPM HEXANE COLD STAB   1.33   15.5   532.0  1.33  15.8
  ICO[ACT] =  2.2 $CO HOT TRANS   1.37   16.5   420.4  1.87  19.7
  ICO[SPEC] = N/A $CO 75 FTP      1.73   20.5   490.4  1.61  16.8
  OTHER TESTS:        S/C SERIES

3108 73 BUIC RIVI 455 COLD TRANS  5.50   61.2   948.9  4.03   8.4
  IHC=  55 PPM HEXANE COLD STAB   0.77   42.6   888.4  2.91   9.3
  ICO[ACT] =  1.8 $CO HOT TRANS   1.55   28.5   778.5  4.19  10.7
  ICO[SPEC] = N/A $CO 75 FTP      1.96   42.6   870.9  3.49   9.4
  OTHER TESTS:        S/C SERIES

3109 73 BUIC CNTY 350 COLD TRANS  7.99   26.7   676.1  2.68  11.9
  IHC=1000 PPM HEXANE COLD STAB   5.35    9.9   646.5  1.46  13.1
  ICO[ACT] =  0.2 $CO HOT TRANS   4.63    7.1   573.3  2.76  14.8
  ICO[SPEC] = N/A $CO 75 FTP      5.70   12.6   632.6  2.06  13.2
  OTHER TESTS:        S/C SERIES

3110 73 CADI DEVI 472 COLD TRANS  2.59   48.6   963.8  3.68   8.5
  IHC= 110 PPM HEXANE COLD STAB   1.50   78.0   902.6  1.94   8.6
  ICO[ACT] =  5.7 $CO HOT TRANS   1.21   50.3   828.8  3.14   9.7
  ICO[SPEC] = N/A $CO 75 FTP      1.64   64.4   895.1  2.63   8.9
  OTHER TESTS:        S/C SERIES

3111 73 CHEV VEGA 140 COLD TRANS  4.09   35.8   361.3  6.04  20.6
  IHC=2000 PPM HEXANE COLD STAB   5.34   34.2   382.0  3.48  19.6
  ICO[ACT] =  9.4 $CO HOT TRANS   3.91   21.0   327.4  5.54  23.8
  ICO[SPEC] = N/A $CO 75 FTP      4.69   30.9   362.8  4.57  20.8
  OTHER TESTS:        S/C SERIES

3112 73 CHEV MALI 350 COLD TRANS  2.58   33.4   637.1  2.34  12.7
  IHC= 140 PPM HEXANE COLD STAB   1.67   23.4   594.6  1.01  13.9
  ICO[ACT] =  0.2 $CO HOT TRANS   1.91   17.0   544.1  2.38  15.4
  ICO[SPEC] = N/A $CO 75 FTP      1.92   23.7   589.6  1.66  14.0
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                MPG
                                     -----GRAMS PER MILE-----   FUEL
VEH
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2   NOxc   ECON
----------------------------------------------------------------------
3113 73 CHEV NOVA 350 COLD TRANS   2.57   35.2   619.5  2.04   13.0
  IHC= 100 PPM HEXANE COLD STAB    1.62   49.1   625.2  0.73   12.5
  ICO[ACT] =  0.3 %CO HOT TRANS    1.37   21.2   527.1  1.89   15.7
  ICO[SPEC] = N/A %CO 75 FTP       1.75   38.7   597.3  1.32   13.4
  OTHER TESTS:        S/C SERIES

3114 73 CHEV IMPA 350 COLD TRANS   2.77   48.5   632.9  3.89   12.4
  IHC=  60 PPM HEXANE COLD STAB    1.48   42.2   688.2  2.56   11.7
  ICO[ACT] =  0.8 %CO HOT TRANS    1.45   27.9   587.1  4.33   14.0
  ICO[SPEC] = N/A %CO 75 FTP       1.74   39.6   649.2  3.32   12.4
  OTHER TESTS:        S/C SERIES

3115 73 CHEV IMPA 350 COLD TRANS   4.15   46.4   646.3  4.98   12.1
  IHC= 165 PPM HEXANE COLD STAB    2.89   17.9   635.7  3.44   13.2
  ICO[ACT] =  1.2 %CO HOT TRANS    2.84   19.0   576.7  5.83   14.4
  ICO[SPEC] = N/A %CO 75 FTP       3.13   24.1   621.8  4.41   13.3
  OTHER TESTS:        S/C SERIES

3116 73 DODG DART 225 COLD TRANS   2.87   36.9   431.8  6.73   17.8
  IHC= 100 PPM HEXANE COLD STAB    1.83   15.8   412.6  3.71   20.0
  ICO[ACT] =  0.3 %CO HOT TRANS    1.90   19.9   376.3  6.51   21.5
  ICO[SPEC]=  0.5 %CO 75 FTP       2.06   21.3   406.7  5.09   19.9
  OTHER TESTS:        S/C SERIES

3117 73 FORD PINT 122 COLD TRANS   2.73   45.8   413.0  3.06   18.0
  IHC= 750 PPM HEXANE COLD STAB    2.02   36.3   368.9  1.97   20.5
  ICO[ACT] =  0.4 %CO HOT TRANS    1.91   16.8   362.5  3.29   22.5
  ICO[SPEC] = N/A %CO 75 FTP       2.14   33.0   376.2  2.56   20.4
  OTHER TESTS:        S/C SERIES

3118 73 FORD TORI 351 COLD TRANS   5.55   45.1   782.0  3.55   10.2
  IHC= 170 PPM HEXANE COLD STAB    2.15    9.9   803.3  1.85   10.7
  ICO[ACT] =  0.2 %CO HOT TRANS    3.25   12.9   678.8  4.1[illegible]   12.5
  ICO[SPEC]=  0.5 %CO 75 FTP       3.15   17.9   765.0  2.82   11.1
  OTHER TESTS:        S/C SERIES

3119 73 FORD MUST 302 COLD TRANS   3.55   55.2   554.1  3.42   13.6
  IHC= 160 PPM HEXANE COLD STAB    3.60   57.0   556.4  1.62   13.5
  ICO[ACT] =  3.5 %CO HOT TRANS    2.72   27.9   518.6  3.58   15.5
  ICO[SPEC] = N/A %CO 75 FTP       3.35   48.7   545.6  2.53   14.0
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                   MPG
VEH                                 -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2   NOxc     ECON
-----------------------------------------------------------------------
3120 73 FORD CUST 351 COLD TRANS  5.10   98.5   718.3  3.68     10.0
  IHC= 280 PPM HEXANE COLD STAB   3.61  111.0   705.9  1.91     10.0
  ICO[ACT] =  7.0 %CO HOT TRANS   3.02   60.5   618.5  3.77     12.3
  ICO[SPEC]=  0.5 %CO 75 FTP      3.76   94.6   684.6  2.78     10.5
  OTHER TESTS:        S/C SERIES

3121 73 FORD LTD  400 COLD TRANS  4.49   38.5   678.1  4.71     11.8
  IHC= 200 PPM HEXANE COLD STAB   3.16   27.1   660.5  2.91     12.4
  ICO[ACT] =  0.8 %CO HOT TRANS   3.29   17.9   574.6  3.59     14.5
  ICO[SPEC]=  0.5 %CO 75 FTP      3.47   26.9   640.7  3.47     12.8
  OTHER TESTS:        S/C SERIES

3122 73 MERC MONT 400 COLD TRANS  3.87   70.1   744.8  2.49     10.2
  IHC= 240 PPM HEXANE COLD STAB   3.70  109.8   590.7  1.74     11.5
  ICO[ACT] =  6.4 %CO HOT TRANS   2.22   52.0   649.6  1.92     12.0
  ICO[SPEC]=  0.5 %CO 75 FTP      3.33   85.9   638.5  1.94     11.3
  OTHER TESTS:        S/C SERIES

3123 73 OLDS CUTL 350 COLD TRANS  3.57   20.4   659.4  6.49     12.6
  IHC= 190 PPM HEXANE COLD STAB   2.73   14.8   651.3  3.13     13.0
  ICO[ACT] =  0.2 %CO HOT TRANS   3.10   13.3   568.7  6.33     14.8
  ICO[SPEC]=  1.0 %CO 75 FTP      3.00   15.6   630.4  4.70     13.4
  OTHER TESTS:        S/C SERIES

3124 73 OLDS CUTL 350 COLD TRANS  2.58   24.7   758.6  2.96     11.0
  IHC= 100 PPM HEXANE COLD STAB   2.60   23.3   736.3  1.97     11.4
  ICO[ACT] =  0.5 %CO HOT TRANS   2.34   17.4   657.0  2.80     12.8
  ICO[SPEC] = N/A %CO 75 FTP      2.52   22.0   719.3  2.40     11.7
  OTHER TESTS:        S/C SERIES

3125 73 PLYM SATE 318 COLD TRANS  3.86   61.8   609.6  3.52     12.3
  IHC= 100 PPM HEXANE COLD STAB   2.67   36.8   605.0  2.40     13.2
  ICO[ACT] =  1.0 %CO HOT TRANS   2.66   35.4   533.0  3.58     14.9
  ICO[SPEC]=  0.5 %CO 75 FTP      2.91   41.5   586.3  2.95     13.4
  OTHER TESTS:        S/C SERIES

3126 73 PLYM VALI 225 COLD TRANS  2.40   29.4   457.1  7.32     17.4
  IHC= 190 PPM HEXANE COLD STAB   1.74   15.0   428.7  3.87     19.4
  ICO[ACT] =  0.9 %CO HOT TRANS   1.59   11.1   403.1  6.78     20.9
  ICO[SPEC] = N/A %CO 75 FTP      1.84   16.9   427.6  5.38     19.3
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
VEH                                  -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE      HC     CO    CO2   NOxc   ECON
----------------------------------------------------------------------
3127 73 PONT CATA 400 COLD TRANS   4.26   73.7  741.7  2.59   10.2
  IHC= 340 PPM HEXANE COLD STAB    4.18   93.5  670.9  1.33   10.7
  ICO[ACT] =  5.4 %CO HOT TRANS    3.46   44.2  615.5  2.67   12.8
  ICO[SPEC]=  0.2 %CO 75 FTP       4.00   76.0  670.4  1.96   11.1
  OTHER TESTS:        S/C SERIES

3128 73 PONT LEMA 350 COLD TRANS   3.80   36.3  661.5  6.90   12.1
  IHC= 750 PPM HEXANE COLD STAB    3.95    5.9  655.1  4.12   13.1
  ICO[ACT] =  0.3 %CO HOT TRANS    3.33    8.3  603.5  5.39   14.2
  ICO[SPEC]=  0.2 %CO 75 FTP       3.75   12.8  642.3  5.03   13.2
  OTHER TESTS:        S/C SERIES

3129 73 DATS 510   97 COLD TRANS   8.77  139.9  336.7  1.23   15.2
  IHC= 240 PPM HEXANE COLD STAB    3.13   26.6  368.0  1.55   21.1
  ICO[ACT] =  3.8 %CO HOT TRANS    2.77   33.6  316.8  1.95   23.5
  ICO[SPEC]=  1.5 %CO 75 FTP       4.19   51.8  347.6  1.60   20.1
  OTHER TESTS:        S/C SERIES

3130 73 OPEL STAW 116 COLD TRANS   3.48   45.2  351.1  3.48   20.5
  IHC= 160 PPM HEXANE COLD STAB    3.01   64.8  324.7  1.28   20.4
  ICO[ACT] =  3.2 %CO HOT TRANS    2.54   38.8  292.9  3.13   24.5
  ICO[SPEC] = N/A %CO 75 FTP       2.98   53.7  321.4  2.24   21.4
  OTHER TESTS:        S/C SERIES

3131 73 TOYO CORO  97 COLD TRANS   2.41   22.4  288.2  3.58   26.8
  IHC= 200 PPM HEXANE COLD STAB    2.27   31.2  320.0  1.30   23.6
  ICO[ACT] =  1.9 %CO HOT TRANS    1.75   16.9  264.6  3.08   29.9
  ICO[SPEC]=  1.0 %CO 75 FTP       2.16   25.5  298.4  2.25   25.7
  OTHER TESTS:        S/C SERIES

3132 73 VOLK SEDA  97 COLD TRANS   5.13   69.2  286.8  2.27   21.6
  IHC= 310 PPM HEXANE COLD STAB    4.02   54.2  307.9  1.22   21.9
  ICO[ACT] =  8.0 %CO HOT TRANS    3.17   37.6  276.3  2.28   25.7
  ICO[SPEC] = N/A %CO 75 FTP       4.01   52.8  294.9  1.73   22.7
  OTHER TESTS:        S/C SERIES

3133 73 VOLK SEDA  97 COLD TRANS   3.71   31.6  328.3  3.81   22.8
  IHC=1950 PPM HEXANE COLD STAB    5.68   21.5  355.0  2.12   21.8
  ICO[ACT] =  2.1 %CO HOT TRANS    3.77   19.2  303.3  3.19   25.7
  ICO[SPEC]=  3.0 %CO 75 FTP       4.75   23.0  335.4  2.76   23.0
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                       MPG
VEH                                    -----GRAMS PER MILE-----       FUEL
NO.  YR MAKE MODL CID TEST   TYPE   HC      CO      CO2     NOxc     ECON
---------------------------------------------------------------------------
3362 73 BUIC CNTY 350 COLD TRANS 12.87  165.0   591.8   2.10    10.0
  IHC= 100 PPM HEXANE COLD STAB   2.24   64.9   668.9   0.98    11.4
  ICO[ACT] =  1.5 %CO HOT TRANS   5.88   37.3   534.2   2.57    14.5
  ICO[SPEC] = N/A %CO 75 FTP      5.42   78.0   616.3   1.65    11.7
  OTHER TESTS:        S/C SERIES

3363 73 BUIC ELEC 455 COLD TRANS  4.09   55.9   851.1   3.60     9.3
  IHC= 150 PPM HEXANE COLD STAB   2.64   63.0   800.3   1.85     9.8
  ICO[ACT] =  2.0 %CO HOT TRANS   2.68   44.7   702.3   2.86    11.4
  ICO[SPEC] = N/A %CO 75 FTP      2.95   56.5   784.0   2.49    10.1
  OTHER TESTS:        S/C SERIES

3364 73 CHEV STAW 400 COLD TRANS  5.34   96.1   795.1   3.24     9.2
  IHC=  68 PPM HEXANE COLD STAB   2.05   10.5   862.9   2.32    10.0
  ICO[ACT] =  0.4 %CO HOT TRANS   1.79   10.2   740.6   3.69    11.6
  ICO[SPEC] = N/A %CO 75 FTP      2.65   28.1   815.5   2.88    10.2
  OTHER TESTS:        S/C SERIES

3365 73 CHEV VEGA 140 COLD TRANS  3.80   63.0   346.7   4.09    19.4
  IHC= 460 PPM HEXANE COLD STAB   0.83   50.7   292.6   3.04    23.7
  ICO[ACT] =  7.2 %CO HOT TRANS   0.79   30.5   293.4   4.29    25.8
  ICO[SPEC] = N/A %CO 75 FTP      1.43   47.7   304.0   3.60    23.1
  OTHER TESTS:        S/C SERIES

3366 73 CHEV NOVA 250 COLD TRANS  3.66   27.9   553.0   4.89    14.6
  IHC= 150 PPM HEXANE COLD STAB   1.74    6.8   493.1   2.67    17.4
  ICO[ACT] =  1.2 %CO HOT TRANS   2.36    7.0   442.0   5.00    19.3
  ICO[SPEC] = N/A %CO 75 FTP      2.30   11.2   491.5   3.76    17.2
  OTHER TESTS:        S/C SERIES

3367 73 CHEV MONT 350 COLD TRANS  2.64   40.2   684.0   2.63    11.7
  IHC= 100 PPM HEXANE COLD STAB   1.83    5.7   684.5   1.61    12.7
  ICO[ACT] =  0.1 %CO HOT TRANS   2.24   22.5   591.9   2.43    14.0
  ICO[SPEC] = N/A %CO 75 FTP      2.11   17.4   659.1   2.04    12.8
  OTHER TESTS:        S/C SERIES

3368 73 CHEV MALI 307 COLD TRANS  4.23  106.3   586.2   1.29    11.6
  IHC= 140 PPM HEXANE COLD STAB   2.03   39.3   599.1   1.07    13.3
  ICO[ACT] =  1.8 %CO HOT TRANS   2.66   69.5   516.8   1.59    14.0
  ICO[SPEC] = N/A %CO 75 FTP      2.65   61.3   574.0   1.26    13.1
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                  MPG
VEH                                    -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE      HC     CO     CO2    NOxc   ECON
------------------------------------------------------------------------
3369 73 CHEV CAPR 454 COLD TRANS    2.55   36.8   750.8   2.72   10.9
  IHC=  80 PPM HEXANE COLD STAB     1.68   48.7   789.1   1.17   10.2
  ICO[ACT] =  2.4 $CO HOT TRANS     1.97   39.2   637.1   2.31   12.6
  ICO[SPEC] = N/A $CO 75 FTP        1.94   43.7   739.7   1.80   10.9
  OTHER TESTS:        S/C SERIES

3370 73 CHRY NEWP 400 COLD TRANS    4.64   36.1   711.5   4.67   11.3
  IHC= 200 PPM HEXANE COLD STAB     2.52   11.5   691.9   2.46   12.4
  ICO[ACT] =  0.2 $CO HOT TRANS     2.64   12.0   599.9   4.73   14.2
  ICO[SPEC]=  0.5 $CO 75 FTP        2.98   16.7   670.8   3.54   12.6
  OTHER TESTS:        S/C SERIES

3371 73 DODG CORO 318 COLD TRANS    4.00   57.9   622.1   3.53   12.2
  IHC= 380 PPM HEXANE COLD STAB     3.90   88.2   558.5   2.23   12.5
  ICO[ACT] =  9.6 $CO HOT TRANS     3.27   49.4   526.8   3.84   14.4
  ICO[SPEC]=  0.5 $CO 75 FTP        3.75   71.4   563.0   2.94   12.9
  OTHER TESTS:        S/C SERIES

3372 73 DODG POLA 360 COLD TRANS    6.41   56.5   623.7   5.07   12.1
  IHC=  80 PPM HEXANE COLD STAB     2.80   47.2   644.9   2.29   12.2
  ICO[ACT] =  0.3 $CO HOT TRANS     2.46   35.2   559.9   5.20   14.2
  ICO[SPEC]=  1.0 $CO 75 FTP        3.45   45.8   617.3   3.65   12.7
  OTHER TESTS:        S/C SERIES

3373 73 FORD PINT 122 COLD TRANS    5.86   74.2   312.1   2.19   19.8
  IHC= 280 PPM HEXANE COLD STAB     3.45   67.0   289.5   1.41   21.9
  ICO[ACT] =  8.3 $CO HOT TRANS     2.49   35.7   293.2   2.87   24.8
  ICO[SPEC] = N/A $CO 75 FTP        3.68   60.0   295.2   1.97   22.1
  OTHER TESTS:        S/C SERIES

3374 73 FORD STAW 351 COLD TRANS    3.92   38.8   707.9   5.43   11.4
  IHC= 240 PPM HEXANE COLD STAB     2.83   40.7   671.4   2.60   11.9
  ICO[ACT] =  2.5 $CO HOT TRANS     2.95   22.6   614.1   5.80   13.5
  ICO[SPEC] = N/A $CO 75 FTP        3.09   35.4   663.3   4.06   12.2
  OTHER TESTS:        S/C SERIES

3375 73 FORD LTD  400 COLD TRANS   33.21   71.3   634.9   6.10   10.4
  IHC=2000 PPM HEXANE COLD STAB    29.28  134.7   577.5   2.53   10.1
  ICO[ACT] =  9.5 $CO HOT TRANS    31.68   65.1   553.5   6.25   11.7
  ICO[SPEC] = N/A $CO 75 FTP       30.74  102.7   582.8   4.28   10.5
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
VEH                                      -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2   NOxc  ECON
--------------------------------------------------------------------
3376 73 FORD STAW 460 COLD TRANS   3.95   44.1   936.5  3.70   8.7
  IHC= 350 PPM HEXANE COLD STAB    1.24   22.9   856.4  2.26   9.9
  ICO[ACT] =  1.0 $CO HOT TRANS    1.42   20.3   763.9  3.49  11.1
  ICO[SPEC]=  0.5 $CO 75 FTP       1.85   26.5   847.6  2.89   9.9
  OTHER TESTS:        S/C SERIES

3377 73 MERC COUG 351 COLD TRANS   4.52   23.5   663.7  3.23  12.4
  IHC= 120 PPM HEXANE COLD STAB    2.95   13.0   666.7  2.48  12.7
  ICO[ACT] =  0.2 $CO HOT TRANS    3.00    7.6   561.1  3.70  15.2
  ICO[SPEC] = N/A $CO 75 FTP       3.29   13.7   637.3  2.97  13.3
  OTHER TESTS:        S/C SERIES

3378 73 OLDS CUTL 350 COLD TRANS   1.87   25.1   735.3  2.20  11.4
  IHC= 120 PPM HEXANE COLD STAB    1.41   20.7   691.4  1.70  12.2
  ICO[ACT] =  0.7 $CO HOT TRANS    1.20   12.8   630.8  1.97  13.6
  ICO[SPEC] = N/A $CO 75 FTP       1.45   19.4   683.9  1.88  12.3
  OTHER TESTS:        S/C SERIES

3379 73 OLDS NNTY 455 COLD TRANS   2.06   53.1   865.5  3.93   9.3
  IHC= 140 PPM HEXANE COLD STAB    1.78   57.1   806.9  2.34   9.8
  ICO[ACT] =  4.3 $CO HOT TRANS    1.47   28.9   749.6  3.68  11.1
  ICO[SPEC] = N/A $CO 75 FTP       1.75   48.6   803.3  3.03  10.0
  OTHER TESTS:        S/C SERIES

3380 73 PLYM SATE 318 COLD TRANS   4.41   39.0   635.0  5.13  12.5
  IHC= 450 PPM HEXANE COLD STAB    4.67   16.2   673.9  2.42  12.4
  ICO[ACT] =  0.4 $CO HOT TRANS    4.31   16.5   558.7  5.33  14.8
  ICO[SPEC]=  0.5 $CO 75 FTP       4.52   21.0   634.4  3.77  13.0
  OTHER TESTS:        S/C SERIES

3381 73 PONT FIRE 350 COLD TRANS   3.32   49.4   722.1  1.68  11.0
  IHC= 280 PPM HEXANE COLD STAB    2.89   38.1   656.1  1.47  12.2
  ICO[ACT] =  3.6 $CO HOT TRANS    2.58   27.1   581.0  1.78  14.0
  ICO[SPEC] = N/A $CO 75 FTP       2.89   37.4   649.2  1.60  12.4
  OTHER TESTS:        S/C SERIES

3382 73 PONT STAW 455 COLD TRANS   6.55  110.9   803.7  1.56   8.9
  IHC= 410 PPM HEXANE COLD STAB    5.11  108.6   751.4  1.29   9.5
  ICO[ACT] =  8.2 $CO HOT TRANS    3.46   49.8   715.3  3.27  11.0
  ICO[SPEC]=  0.2 $CO 75 FTP       4.96   93.0   752.3  1.89   9.7
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                MPG
VEH                                    -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC    CO     CO2    NOxc   ECON
-----------------------------------------------------------------------
3383 73 CAPR COUP 122 COLD TRANS  2.81  57.7   301.7   4.14   22.1
  IHC= 220 PPM HEXANE COLD STAB   2.25  39.1   304.2   2.27   23.8
  ICO[ACT] =  6.5 %CO HOT TRANS   1.71  19.4   287.7   4.84   27.4
  ICO[SPEC] = N/A %CO 75 FTP      2.21  37.6   299.2   3.36   24.3
  OTHER TESTS:        S/C SERIES

3384 73 MAZD SEDA  70 COLD TRANS  5.59  25.8   452.7   1.03   17.4
  IHC=  90 PPM HEXANE COLD STAB   2.29  14.5   556.7   0.57   15.1
  ICO[ACT] =  0.1 %CO HOT TRANS   3.86  17.6   419.3   1.16   19.3
  ICO[SPEC]=  3.0 %CO 75 FTP      3.40  17.7   497.8   0.83   16.5
  OTHER TESTS:        S/C SERIES

2134 72 AMC  GREM 258 COLD TRANS  3.63  39.6   471.8   4.17   16.3
  IHC= 260 PPM HEXANE COLD STAB   3.09  49.5   407.2   1.69   17.9
  ICO[ACT] =  3.6 %CO HOT TRANS   2.57  25.6   393.5   3.70   20.1
  ICO[SPEC]=  1.0 %CO 75 FTP      3.06  40.9   416.7   2.75   18.1
  OTHER TESTS:        S/C SERIES

2135 72 BUIC LESA 455 COLD TRANS 10.78  56.8   759.4  10.29   10.1
  IHC=2000 PPM HEXANE COLD STAB  16.13  91.3   667.8   5.13   10.3
  ICO[ACT] = 10.0 %CO HOT TRANS   9.66  44.2   636.4  10.52   12.1
  ICO[SPEC] = N/A %CO 75 FTP     13.27  71.3   678.1   7.66   10.7
  OTHER TESTS:        S/C SERIES

2136 72 CADI DEVI 472 COLD TRANS  3.38  78.7   813.4   3.76    9.4
  IHC= 105 PPM HEXANE COLD STAB   1.17  73.7   861.0   1.64    9.1
  ICO[ACT] =  4.1 %CO HOT TRANS   1.46  48.0   695.4   3.96   11.4
  ICO[SPEC] = N/A %CO 75 FTP      1.70  67.7   806.0   2.71    9.7
  OTHER TESTS:        S/C SERIES

2137 72 CHEV VEGA 140 COLD TRANS  3.97  43.8   351.5   2.72   20.5
  IHC=  50 PPM HEXANE COLD STAB   1.73  30.4   387.6   1.32   20.1
  ICO[ACT] =  0.2 %CO HOT TRANS   2.07  31.4   311.6   2.46   24.2
  ICO[SPEC] = N/A %CO 75 FTP      2.28  33.5   359.4   1.92   21.2
  OTHER TESTS:        S/C SERIES

2138 72 CHEV MONT 350 COLD TRANS  3.04  36.4   628.7   5.49   12.8
  IHC= 270 PPM HEXANE COLD STAB   2.01  27.4   621.7   2.63   13.2
  ICO[ACT] =  3.4 %CO HOT TRANS   1.82  20.0   547.4   4.98   15.2
  ICO[SPEC] = N/A %CO 75 FTP      2.17  27.2   602.8   3.86   13.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
VEH                                  -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc   ECON
--------------------------------------------------------------------
2139 72 CHEV MONT 350 COLD TRANS  6.42  122.3   588.5   3.30   11.1
  IHC= 190 PPM HEXANE COLD STAB   2.00   26.0   655.8   1.95   12.6
  ICO[ACT] =  0.6 %CO HOT TRANS   2.36   24.7   542.2   3.89   15.1
  ICO[SPEC] = N/A %CO 75 FTP      3.01   45.5   610.9   2.76   12.8
  OTHER TESTS:        S/C SERIES

2140 72 CHEV NOVA 307 COLD TRANS  4.82   29.7   557.8   4.77   14.3
  IHC= 240 PPM HEXANE COLD STAB   2.67   11.5   543.3   2.32   15.6
  ICO[ACT] =  2.5 %CO HOT TRANS   2.61   11.5   470.8   4.40   17.9
  ICO[SPEC] = N/A %CO 75 FTP      3.09   15.2   526.5   3.39   15.8
  OTHER TESTS:        S/C SERIES

2141 72 CHEV IMPA 350 COLD TRANS  5.53   44.0   696.4   5.12   11.3
  IHC=  60 PPM HEXANE COLD STAB   1.78   18.2   665.8   2.40   12.7
  ICO[ACT] =  0.4 %CO HOT TRANS   2.49   16.2   592.3   5.05   14.2
  ICO[SPEC] = N/A %CO 75 FTP      2.75   23.0   652.0   3.68   12.7
  OTHER TESTS:        S/C SERIES

2142 72 CHEV CAPR 400 COLD TRANS  5.30   97.6   726.2   3.65    9.9
  IHC= 400 PPM HEXANE COLD STAB   3.89  104.0   695.8   2.26   10.2
  ICO[ACT] = 10.0 %CO HOT TRANS   2.90   54.3   654.1   3.59   11.9
  ICO[SPEC] = N/A %CO 75 FTP      3.91   89.1   690.7   2.91   10.5
  OTHER TESTS:        S/C SERIES

2143 72 DODG CORO 318 COLD TRANS  5.27   29.5   559.4   7.18   14.3
  IHC= 220 PPM HEXANE COLD STAB   3.32   16.1   523.1   4.77   15.9
  ICO[ACT] =  1.8 %CO HOT TRANS   3.06   11.6   489.9   7.24   17.1
  ICO[SPEC] = N/A %CO 75 FTP      3.65   17.6   521.5   5.94   15.8
  OTHER TESTS:        S/C SERIES

2144 72 FORD PINT 122 COLD TRANS  1.86   21.1   350.7   3.74   22.8
  IHC= 100 PPM HEXANE COLD STAB   1.67   13.5   361.4   2.41   22.9
  ICO[ACT] =  1.9 %CO HOT TRANS   1.52    9.8   311.7   4.00   26.7
  ICO[SPEC] = N/A %CO 75 FTP      1.67   14.1   345.6   3.12   23.8
  OTHER TESTS:        S/C SERIES

2145 72 FORD TORI 351 COLD TRANS  5.68  130.0   563.4   4.23   11.3
  IHC= 190 PPM HEXANE COLD STAB   2.13   29.1   606.1   3.48   13.5
  ICO[ACT] =  2.1 %CO HOT TRANS   2.75   18.9   531.8   6.13   15.6
  ICO[SPEC] = N/A %CO 75 FTP      3.03   47.1   577.0   4.36   13.4
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                     MPG
VEH                                    -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO      CO2    NOxc     ECON
--------------------------------------------------------------------------
2146 72 FORD MAVE 200 COLD TRANS  2.44   24.6    418.6   7.24     19.1
  IHC= 230 PPM HEXANE COLD STAB   1.74   14.7    391.1   3.43     21.1
  ICO[ACT] =  3.3 %CO HOT TRANS   2.53   10.0    362.9   7.19     23.0
  ICO[SPEC]=  1.0 %CO 75 FTP      2.10   15.5    389.1   5.24     21.1
  OTHER TESTS:        S/C SERIES

2147 72 FORD CUST 351 COLD TRANS  2.37   22.1    592.3   5.54     14.0
  IHC= 140 PPM HEXANE COLD STAB   1.57   19.4    654.7   2.62     12.9
  ICO[ACT] =  0.2 %CO HOT TRANS   2.36   13.0    532.4   6.38     15.8
  ICO[SPEC]=  0.1 %CO 75 FTP      1.95   18.2    608.5   4.25     13.8
  OTHER TESTS:        S/C SERIES

2148 72 FORD STAW 400 COLD TRANS 16.58  113.7    673.6   7.02      9.8
  IHC= 280 PPM HEXANE COLD STAB   4.18   98.9    603.9   4.17     11.5
  ICO[ACT] =  7.4 %CO HOT TRANS   5.55   54.9    555.1   7.55     13.5
  ICO[SPEC]=  0.1 %CO 75 FTP      7.11   90.0    604.9   5.68     11.5
  OTHER TESTS:        S/C SERIES

2149 72 MERC MONR 400 COLD TRANS 20.85  150.7    620.6   4.62      9.6
  IHC= 360 PPM HEXANE COLD STAB   5.25  118.9    633.4   3.81     10.6
  ICO[ACT] =  7.6 %CO HOT TRANS   4.84   59.6    575.0   6.52     13.0
  ICO[SPEC] = N/A %CO 75 FTP      8.35  109.3    614.8   4.71     10.9
  OTHER TESTS:        S/C SERIES

2150 72 OLDS DELT 350 COLD TRANS  5.32   73.1    688.1   5.00     10.8
  IHC= 140 PPM HEXANE COLD STAB   2.96   35.4    692.6   2.72     11.7
  ICO[ACT] =  1.5 %CO HOT TRANS   4.29   31.9    600.6   4.81     13.4
  ICO[SPEC] = N/A %CO 75 FTP      3.81   42.2    666.6   3.76     11.9
  OTHER TESTS:        S/C SERIES

2151 72 PLYM VALI 225 COLD TRANS  5.10  106.2    347.5   3.59     16.7
  IHC= 200 PPM HEXANE COLD STAB   3.12   84.3    331.2   2.63     18.7
  ICO[ACT] =  6.0 %CO HOT TRANS   3.08   60.3    311.8   4.20     21.3
  ICO[SPEC]=  0.5 %CO 75 FTP      3.51   82.2    329.3   3.26     18.9
  OTHER TESTS:        S/C SERIES

2152 72 PLYM STAW 360 COLD TRANS  5.89  115.8    597.8   7.08     11.1
  IHC= 225 PPM HEXANE COLD STAB   5.07  149.7    564.8   3.96     10.9
  ICO[ACT] =  8.2 %CO HOT TRANS   3.46   80.1    552.5   7.56     12.9
  ICO[SPEC] = N/A %CO 75 FTP      4.80  123.7    568.3   5.58     11.4
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO. YR MAKE MODL CID	TEST TYPE	-----GRAMS PER MILE-----				MPG FUEL ECON
		HC	CO	CO_2	NOx_c	
2153 72 PONT CATA 400	COLD TRANS	5.49	107.6	724.6	3.40	9.7
IHC= 370 PPM HEXANE	COLD STAB	2.46	59.6	815.0	2.68	9.7
ICO[ACT] = 3.6 %CO	HOT TRANS	2.62	41.1	652.6	4.02	12.2
ICO[SPEC] = N/A %CO	75 FTP	3.12	64.4	752.1	3.19	10.3
OTHER TESTS:	S/C SERIES					
2154 72 PONT STAW 350	COLD TRANS	8.60	110.9	683.2	4.78	10.0
IHC= 450 PPM HEXANE	COLD STAB	5.26	121.5	669.4	2.31	10.1
ICO[ACT] = 9.0 %CO	HOT TRANS	4.29	67.8	606.5	5.25	12.2
ICO[SPEC] = N/A %CO	75 FTP	5.68	104.7	655.1	3.62	10.6
OTHER TESTS:	S/C SERIES					
2155 72 DATS 1200 85	COLD TRANS	2.66	24.7	294.3	3.40	26.0
IHC= 530 PPM HEXANE	COLD STAB	1.58	9.7	259.0	2.04	31.8
ICO[ACT] = 0.7 %CO	HOT TRANS	2.10	8.8	264.9	3.52	31.1
ICO[SPEC] = N/A %CO	75 FTP	1.95	12.6	267.9	2.73	30.2
OTHER TESTS:	S/C SERIES					
2156 72 TOYO CORO 120	COLD TRANS	3.70	61.8	367.3	5.44	18.6
IHC= 340 PPM HEXANE	COLD STAB	2.25	17.2	337.1	3.37	23.9
ICO[ACT] = 1.0 %CO	HOT TRANS	2.16	11.6	337.9	5.87	24.4
ICO[SPEC]= 2.0 %CO	75 FTP	2.52	24.9	343.5	4.48	22.7
OTHER TESTS:	S/C SERIES					
2157 72 VOLK SEDA 97	COLD TRANS	4.39	53.4	311.6	3.13	21.7
IHC= 500 PPM HEXANE	COLD STAB	3.56	52.9	307.9	1.57	22.1
ICO[ACT] = 7.0 %CO	HOT TRANS	4.97	33.3	283.5	2.83	25.2
ICO[SPEC]= 3.0 %CO	75 FTP	4.12	47.7	302.0	2.23	22.8
OTHER TESTS:	S/C SERIES					
2158 72 VOLK STAW 103	COLD TRANS	3.16	30.4	392.4	3.79	19.7
IHC= 500 PPM HEXANE	COLD STAB	1.69	16.7	375.4	3.07	21.8
ICO[ACT] = 1.3 %CO	HOT TRANS	2.23	34.5	366.7	4.38	20.7
ICO[SPEC] = N/A %CO	75 FTP	2.14	24.4	376.5	3.58	21.0
OTHER TESTS:	S/C SERIES					
2385 72 BUIC SKYL 350	COLD TRANS	7.57	150.2	533.9	4.07	11.2
IHC= 165 PPM HEXANE	COLD STAB	3.42	42.9	566.5	2.61	13.8
ICO[ACT] = 1.0 %CO	HOT TRANS	3.03	21.3	485.7	4.95	16.8
ICO[SPEC] = N/A %CO	75 FTP	4.17	59.1	537.7	3.55	13.8
OTHER TESTS:	S/C SERIES					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                      MPG
VEH                                  -----GRAMS PER MILE-----        FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC    CO     CO2    NOxc        ECON
---------------------------------------------------------------------------
2386 72 BUIC LESA 350 COLD TRANS    3.91   78.0   607.0  6.24        12.0
  IHC= 125 PPM HEXANE COLD STAB     2.66   26.8   609.8  4.27        13.4
  ICO[ACT] =   1.3 %CO HOT TRANS    2.27   16.7   551.0  6.92        15.2
  ICO[SPEC] = N/A %CO 75 FTP        2.81   34.6   593.2  5.40        13.5
  OTHER TESTS:        S/C SERIES

2387 72 CHEV VEGA 140 COLD TRANS    4.74   67.4   366.3  3.60        18.2
  IHC= 780 PPM HEXANE COLD STAB     5.09   49.4   327.5  2.48        21.1
  ICO[ACT] =  10.0 %CO HOT TRANS    4.62   38.9   327.3  3.62        22.0
  ICO[SPEC] = N/A %CO 75 FTP        4.89   50.2   335.4  3.02        20.6
  OTHER TESTS:        S/C SERIES

2388 72 CHEV NOVA 250 COLD TRANS    2.53   30.8   483.3  3.05        16.4
  IHC= 230 PPM HEXANE COLD STAB     1.56   23.5   457.0  2.06        17.8
  ICO[ACT] =   4.5 %CO HOT TRANS    1.60   11.6   418.6  3.13        20.1
  ICO[SPEC] = N/A %CO 75 FTP        1.77   21.8   451.9  2.55        18.0
  OTHER TESTS:        S/C SERIES

2389 72 CHEV MONT 350 COLD TRANS    4.23   67.7   616.9  3.[illegible]4 12.0
  IHC= 230 PPM HEXANE COLD STAB     3.17   81.1   622.6  1.65        11.7
  ICO[ACT] =   3.8 %CO HOT TRANS    2.64   53.7   503.7  2.76        14.9
  ICO[SPEC] = N/A %CO 75 FTP        3.24   70.8   589.0  2.40        12.5
  OTHER TESTS:        S/C SERIES

2390 72 CHEV IMPA 350 COLD TRANS    4.82   96.1   591.8  3.31        11.7
  IHC= 340 PPM HEXANE COLD STAB     3.44  102.5   592.9  1.65        11.6
  ICO[ACT] =   8.5 %CO HOT TRANS    3.41   78.6   526.5  3.42        13.4
  ICO[SPEC] = N/A %CO 75 FTP        3.72   94.7   574.6  2.47        12.1
  OTHER TESTS:        S/C SERIES

2391 72 CHEV STAW 400 COLD TRANS    3.60   53.9   803.0  5.46         9.9
  IHC= 260 PPM HEXANE COLD STAB     2.10   31.6   800.5  2.98        10.4
  ICO[ACT] =   2.4 %CO HOT TRANS    2.13   22.4   701.9  4.43        11.9
  ICO[SPEC] = N/A %CO 75 FTP        2.42   33.7   774.1  3.89        10.6
  OTHER TESTS:        S/C SERIES

2392 72 CHRY NEWP 400 COLD TRANS    6.09   90.4   647.6  4.32        11.0
  IHC= 210 PPM HEXANE COLD STAB     3.31   40.8   641.4  2.55        12.4
  ICO[ACT] =   3.1 %CO HOT TRANS    3.27   33.3   584.0  5.51        13.7
  ICO[SPEC] = N/A %CO 75 FTP        3.87   48.9   627.0  3.73        12.4
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
VEH                                   -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2   NOxc   ECON
----------------------------------------------------------------------
2393 72 DODG DART 225 COLD TRANS    3.53   70.2   466.9  4.13   15.1
  IHC= 165 PPM HEXANE COLD STAB     1.92   24.9   433.2  2.61   18.6
  ICO[ACT] =  2.2 %CO HOT TRANS     1.99   26.0   436.0  4.13   18.4
  ICO[SPEC] = N/A %CO 75 FTP        2.27   34.5   440.9  3.34   17.7
  OTHER TESTS:        S/C SERIES

2394 72 FORD STAW 122 COLD TRANS    4.17   90.3   371.7  5.26   16.8
  IHC= 460 PPM HEXANE COLD STAB     3.53   70.9   316.0  3.80   20.2
  ICO[ACT] =  7.0 %CO HOT TRANS     2.93   35.8   324.5  7.16   22.7
  ICO[SPEC] = N/A %CO 75 FTP        3.50   65.3   329.8  5.02   20.0
  OTHER TESTS:        S/C SERIES

2395 72 FORD TORI 302 COLD TRANS   12.51  118.9   604.2  3.54   10.7
  IHC=1375 PPM HEXANE COLD STAB     2.08   20.3   709.0  2.29   11.9
  ICO[ACT] =  3.5 %CO HOT TRANS     3.07   18.7   595.7  4.13   14.0
  ICO[SPEC]=  0.5 %CO 75 FTP        4.50   40.1   656.5  3.05   12.1
  OTHER TESTS:        S/C SERIES

2396 72 FORD LTD  400 COLD TRANS    3.65   33.6   651.5  9.33   12.4
  IHC= 290 PPM HEXANE COLD STAB     2.86   44.2   620.5  5.62   12.7
  ICO[ACT] =  3.6 %CO HOT TRANS     3.03   22.8   566.7  9.76   14.5
  ICO[SPEC] = N/A %CO 75 FTP        3.07   36.2   612.2  7.51   13.1
  OTHER TESTS:        S/C SERIES

2397 72 FORD TORI 351 COLD TRANS    4.08   48.0   637.8  7.58   12.2
  IHC= 140 PPM HEXANE COLD STAB     2.93   57.8   643.6  2.86   11.9
  ICO[ACT] =  4.6 %CO HOT TRANS     3.55   36.7   560.3  7.61   14.1
  ICO[SPEC]=  0.5 %CO 75 FTP        3.34   50.0   619.7  5.13   12.5
  OTHER TESTS:        S/C SERIES

2398 72 LINC CONT 460 COLD TRANS    4.25   90.1   691.9  6.05   10.5
  IHC=  80 PPM HEXANE COLD STAB     2.28   28.6   727.9  4.82   11.4
  ICO[ACT] =  1.5 %CO HOT TRANS     2.35   22.0   621.2  7.25   13.4
  ICO[SPEC]=  0.5 %CO 75 FTP        2.71   39.5   691.4  5.73   11.6
  OTHER TESTS:        S/C SERIES

2399 72 MERC MONG 302 COLD TRANS    6.72   40.2   545.8  9.96   14.1
  IHC= 580 PPM HEXANE COLD STAB     5.72   51.9   481.1  5.08   15.3
  ICO[ACT] =  6.0 %CO HOT TRANS     4.91   29.4   476.3  9.39   16.5
  ICO[SPEC]=  0.2 %CO 75 FTP        5.71   43.4   493.1  7.26   15.3
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                MPG
VEH                                 -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2   NOxc    ECON
-------------------------------------------------------------------
2400 72 OLDS CUTL 350 COLD TRANS  4.45  44.3   599.7  6.82   13.0
  IHC= 180 PPM HEXANE COLD STAB   2.98  25.6   593.4  3.21   13.8
  ICO[ACT] =  0.7 %CO HOT TRANS   2.85  15.3   497.6  6.14   16.7
  ICO[SPEC] = N/A %CO 75 FTP      3.24  26.6   568.5  4.75   14.3
  OTHER TESTS:        S/C SERIES

2401 72 OLDS NNTY 455 COLD TRANS  2.60  29.2   706.2  6.58   11.7
  IHC= 120 PPM HEXANE COLD STAB   2.03  25.8   733.1  3.08   11.4
  ICO[ACT] =  0.5 %CO HOT TRANS   1.92  14.6   629.4  6.48   13.5
  ICO[SPEC] = N/A %CO 75 FTP      2.12  23.4   699.3  4.73   11.9
  OTHER TESTS:        S/C SERIES

2402 72 PLYM BARR 318 COLD TRANS  3.50  34.5   551.6  5.96   14.4
  IHC= 220 PPM HEXANE COLD STAB   2.87  28.5   495.6  4.14   16.2
  ICO[ACT] =  2.9 %CO HOT TRANS   2.80  18.9   465.4  6.09   17.6
  ICO[SPEC] = N/A %CO 75 FTP      2.98  27.1   498.9  5.05   16.1
  OTHER TESTS:        S/C SERIES

2403 72 PONT GRNV 455 COLD TRANS  2.85  44.0   862.4  4.15    9.4
  IHC= 280 PPM HEXANE COLD STAB   4.34  73.6   669.3  3.06   11.1
  ICO[ACT] =  5.0 %CO HOT TRANS   2.52  32.8   662.7  5.33   12.3
  ICO[SPEC] = N/A %CO 75 FTP      3.53  56.4   707.2  3.90   11.0
  OTHER TESTS:        S/C SERIES

2404 72 CAPR COUP 159 COLD TRANS  4.45  15.7   374.0  2.72   21.5
  IHC=1642 PPM HEXANE COLD STAB   5.91   9.2   409.9  2.03   20.0
  ICO[ACT] =  0.1 %CO HOT TRANS   4.78   9.2   340.6  2.83   24.0
  ICO[SPEC] = N/A %CO 75 FTP      5.30  10.6   383.6  2.39   21.3
  OTHER TESTS:        S/C SERIES

1159 71 BUIC RIVI 455 COLD TRANS  5.62  67.2   749.8  6.65   10.2
  IHC= 240 PPM HEXANE COLD STAB   3.60  70.7   740.2  2.96   10.3
  ICO[ACT] =  5.2 %CO HOT TRANS   3.44  39.0   620.1  6.44   12.8
  ICO[SPEC] = N/A %CO 75 FTP      3.98  61.3   709.4  4.67   10.8
  OTHER TESTS:        S/C SERIES

1160 71 BUIC SKYL 350 COLD TRANS  5.55  96.7   543.3  2.57   12.5
  IHC= 450 PPM HEXANE COLD STAB   4.68 108.3   517.2  1.50   12.6
  ICO[ACT] =  7.6 %CO HOT TRANS   3.16  49.2   471.9  2.98   15.9
  ICO[SPEC] = N/A %CO 75 FTP      4.44  89.8   510.2  2.12   13.3
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
VEH                                 -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO    CO2    NOxc    ECON
--------------------------------------------------------------------
1161 71 CHEV VEGA 140 COLD TRANS   6.07   91.9  302.3   3.22    19.0
  IHC=2000 PPM HEXANE COLD STAB    4.76   71.3  313.7   1.44    20.1
  ICO[ACT] = 10.0 %CO HOT TRANS    4.11   49.0  283.4   3.21    23.8
  ICO[SPEC] = N/A %CO 75 FTP       4.85   69.5  303.1   2.29    20.8
  OTHER TESTS:        S/C SERIES

1162 71 CHEV MALI 350 COLD TRANS   3.74   33.2  610.8   3.13    13.2
  IHC= 165 PPM HEXANE COLD STAB    1.98   18.3  677.5   1.70    12.5
  ICO[ACT] =  1.3 %CO HOT TRANS    2.66   18.7  523.1   3.19    15.8
  ICO[SPEC] = N/A %CO 75 FTP       2.53   21.5  621.6   2.40    13.4
  OTHER TESTS:        S/C SERIES

1163 71 CHEV MALI 250 COLD TRANS   5.18   65.3  478.3   9.76    14.9
  IHC= 760 PPM HEXANE COLD STAB    3.07   10.9  458.9   5.96    18.3
  ICO[ACT] =  4.2 %CO HOT TRANS    4.01   10.1  434.6  10.16    19.2
  ICO[SPEC] = N/A %CO 75 FTP       3.76   21.9  456.3   7.89    17.7
  OTHER TESTS:        S/C SERIES

1164 71 CHEV IMPA 350 COLD TRANS   4.28   47.5  651.8   6.23    12.0
  IHC= 260 PPM HEXANE COLD STAB    3.15   30.4  650.8   3.98    12.5
  ICO[ACT] =  2.4 %CO HOT TRANS    2.77   26.9  578.0   6.06    14.1
  ICO[SPEC] = N/A %CO 75 FTP       3.28   32.9  631.1   5.01    12.8
  OTHER TESTS:        S/C SERIES

1165 71 CHEV STAW 350 COLD TRANS   6.35   92.1  617.4   6.03    11.3
  IHC= 475 PPM HEXANE COLD STAB    5.51  113.7  617.3   3.51    10.9
  ICO[ACT] =  9.5 %CO HOT TRANS    4.57   70.6  547.1   6.35    13.2
  ICO[SPEC] = N/A %CO 75 FTP       5.43   97.5  598.2   4.80    11.5
  OTHER TESTS:        S/C SERIES

1166 71 CHRY NEWY 440 COLD TRANS   5.06  120.4  642.3   3.19    10.5
  IHC= 460 PPM HEXANE COLD STAB    2.27   17.7  740.6   3.59    11.4
  ICO[ACT] =  0.2 %CO HOT TRANS    3.45   31.8  615.6   5.22    13.1
  ICO[SPEC] = N/A %CO 75 FTP       3.17   42.7  686.2   3.95    11.6
  OTHER TESTS:        S/C SERIES

1167 71 DODG CORO 318 COLD TRANS   3.23   31.3  541.6   4.91    14.8
  IHC= 135 PPM HEXANE COLD STAB    2.76   19.3  538.7   3.88    15.4
  ICO[ACT] =  1.3 %CO HOT TRANS    2.26   11.1  484.5   5.60    17.4
  ICO[SPEC] = N/A %CO 75 FTP       2.72   19.5  524.5   4.56    15.7
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                MPG
VEH                                  -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO    CO2   NOxc  ECON
--------------------------------------------------------------------
1168 71 FORD PINT 122 COLD TRANS  4.52  61.8  291.9  2.92  22.0
  IHC= 320 PPM HEXANE COLD STAB   4.39  47.4  294.0  1.89  23.2
  ICO[ACT] =  6.0 %CO HOT TRANS   3.07  24.7  279.1  3.62  27.1
  ICO[SPEC] = N/A %CO 75 FTP      4.05  44.2  289.5  2.57  23.9
  OTHER TESTS:        S/C SERIES

1169 71 FORD STAW 302 COLD TRANS  5.83  59.3  491.1  5.52  14.7
  IHC= 300 PPM HEXANE COLD STAB   3.75  80.2  470.3  2.57  14.6
  ICO[ACT] =  7.6 %CO HOT TRANS   3.23  36.2  423.5  5.45  18.1
  ICO[SPEC] = N/A %CO 75 FTP      4.03  63.9  461.9  3.96  15.4
  OTHER TESTS:        S/C SERIES

1170 71 FORD MAVE 200 COLD TRANS  3.33  34.6  450.2  5.75  17.2
  IHC= 220 PPM HEXANE COLD STAB   2.37  36.4  398.6  3.62  19.2
  ICO[ACT] =  4.7 %CO HOT TRANS   2.03  18.4  382.7  5.81  21.2
  ICO[SPEC]=  1.5 %CO 75 FTP      2.47  31.1  404.9  4.65  19.2
  OTHER TESTS:        S/C SERIES

1171 71 FORD LTD  351 COLD TRANS  4.57 101.9  503.9  3.98  13.1
  IHC= 310 PPM HEXANE COLD STAB   3.58  25.4  496.4  4.39  16.2
  ICO[ACT] =  0.3 %CO HOT TRANS   3.60  20.0  462.4  7.24  17.6
  ICO[SPEC]=  0.2 %CO 75 FTP      3.79  39.7  488.7  5.08  15.8
  OTHER TESTS:        S/C SERIES

1172 71 FORD LTD  400 COLD TRANS  5.05  80.9  665.5  3.07  11.0
  IHC= 190 PPM HEXANE COLD STAB   4.19  76.4  653.8  1.97  11.3
  ICO[ACT] =  5.3 %CO HOT TRANS   2.82  35.1  610.0  3.45  13.2
  ICO[SPEC]=  0.7 %CO 75 FTP      3.99  66.0  644.3  2.60  11.7
  OTHER TESTS:        S/C SERIES

1173 71 MERC MONR 351 COLD TRANS  4.49  67.5  600.7  6.98  12.3
  IHC= 210 PPM HEXANE COLD STAB   2.92  42.3  597.0  5.19  13.2
  ICO[ACT] =  4.0 %CO HOT TRANS   2.85  32.3  530.5  7.81  15.0
  ICO[SPEC] = N/A %CO 75 FTP      3.23  44.7  579.6  6.27  13.4
  OTHER TESTS:        S/C SERIES

1174 71 OLDS STAW 455 COLD TRANS  3.11  60.8  856.7 10.32   9.2
  IHC= 105 PPM HEXANE COLD STAB   1.53  24.2  863.7  4.94   9.8
  ICO[ACT] =  1.0 %CO HOT TRANS   1.92  21.1  741.3 10.22  11.4
  ICO[SPEC] = N/A %CO 75 FTP      1.96  30.9  828.8  7.49  10.0
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                MPG
VEH                                   -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE      HC     CO      CO2  NOxc  ECON
----------------------------------------------------------------------
1175 71 PLYM DUST 225 COLD TRANS     4.46   93.8   395.0  4.78  15.9
  IHC= 270 PPM HEXANE COLD STAB      3.24   51.9   378.5  3.86  18.9
  ICO[ACT] =   4.6 %CO HOT TRANS     2.63   35.3   374.4  5.76  20.3
  ICO[SPEC] = N/A %CO 75 FTP         3.32   56.0   380.8  4.57  18.5
  OTHER TESTS:        S/C SERIES

1176 71 PONT GRNV 455 COLD TRANS     3.65   51.2   703.3  5.74  11.2
  IHC= 520 PPM HEXANE COLD STAB      4.69   57.4   671.3  3.87  11.4
  ICO[ACT] =   7.0 %CO HOT TRANS     3.81   23.8   594.0  6.28  13.8
  ICO[SPEC] = N/A %CO 75 FTP         4.24   46.9   656.8  4.91  11.9
  OTHER TESTS:        S/C SERIES

1177 71 PONT LEMA 350 COLD TRANS     5.05   51.9   621.9  5.09  12.3
  IHC= 520 PPM HEXANE COLD STAB      4.71   32.9   569.1  3.96  14.0
  ICO[ACT] =   2.6 %CO HOT TRANS     3.24   19.4   530.8  5.51  15.5
  ICO[SPEC] = N/A %CO 75 FTP         4.38   33.1   569.5  4.62  14.0
  OTHER TESTS:        S/C SERIES

1178 71 DATS SEDA  97 COLD TRANS     5.08   18.6   291.2  8.24  26.4
  IHC= 630 PPM HEXANE COLD STAB      3.51   27.5   288.7  5.87  25.9
  ICO[ACT] =   4.0 %CO HOT TRANS     2.64   17.9   265.6  9.16  29.4
  ICO[SPEC] = N/A %CO 75 FTP         3.59   23.1   282.9  7.25  26.8
  OTHER TESTS:        S/C SERIES

1179 71 TOYO STAW  97 COLD TRANS     4.02   44.2   325.5  2.80  21.8
  IHC= 640 PPM HEXANE COLD STAB      3.73   55.3   321.5  1.48  21.1
  ICO[ACT] =   8.4 %CO HOT TRANS     3.07   38.3   298.0  2.92  24.1
  ICO[SPEC] = N/A %CO 75 FTP         3.61   48.4   315.9  2.15  22.0
  OTHER TESTS:        S/C SERIES

1180 71 VOLK SEDA  97 COLD TRANS     4.80   71.3   305.8  3.77  20.5
  IHC= 400 PPM HEXANE COLD STAB      4.57   80.9   283.3  1.57  20.9
  ICO[ACT] =   8.2 %CO HOT TRANS     3.61   57.5   265.1  3.15  24.2
  ICO[SPEC] = N/A %CO 75 FTP         4.36   72.5   283.0  2.45  21.6
  OTHER TESTS:        S/C SERIES

1405 71 AMC  AMBA 360 COLD TRANS     2.92   28.0   579.0  4.44  14.0
  IHC= 150 PPM HEXANE COLD STAB      2.26   24.0   565.9  2.05  14.5
  ICO[ACT] =   2.5 %CO HOT TRANS     2.52   17.2   506.7  5.22  16.4
  ICO[SPEC] = N/A %CO 75 FTP         2.47   23.0   552.5  3.41  14.9
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                               MPG
VEH                                 -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE   HC     CO     CO2   NOxc  ECON
------------------------------------------------------------------
1406 71 BUIC ELEC 455 COLD TRANS  3.96  58.6  728.5  5.23  10.7
  IHC= 220 PPM HEXANE COLD STAB   4.14  79.8  743.0  2.23  10.1
  ICO[ACT] =  4.3 %CO HOT TRANS   3.19  37.5  620.3  5.19  12.9
  ICO[SPEC] = N/A %CO 75 FTP      3.84  63.9  706.5  3.65  10.8
  OTHER TESTS:        S/C SERIES

1407 71 CADI DEVI 472 COLD TRANS  1.83  71.1  831.8  4.42   9.3
  IHC= 320 PPM HEXANE COLD STAB   0.93  55.5  834.7  1.82   9.6
  ICO[ACT] =  8.8 %CO HOT TRANS   3.15  35.0  695.3  4.49  11.7
  ICO[SPEC] = N/A %CO 75 FTP      1.72  53.1  796.0  3.08  10.0
  OTHER TESTS:        S/C SERIES

1408 71 CHEV CAMA 307 COLD TRANS  4.35  37.2  549.1  7.07  14.3
  IHC= 360 PPM HEXANE COLD STAB   3.64  27.5  539.1  4.58  14.9
  ICO[ACT] =  5.1 %CO HOT TRANS   3.15  17.0  480.4  7.06  17.2
  ICO[SPEC] = N/A %CO 75 FTP      3.65  26.6  525.1  5.77  15.3
  OTHER TESTS:        S/C SERIES

1409 71 CHEV MALI 307 COLD TRANS  6.56  86.4  535.2  5.23  12.8
  IHC= 320 PPM HEXANE COLD STAB   3.45   5.3  530.3  3.17  16.1
  ICO[ACT] =  1.0 %CO HOT TRANS   3.20   7.1  480.3  5.22  17.7
  ICO[SPEC] = N/A %CO 75 FTP      4.02  22.5  517.7  4.15  15.7
  OTHER TESTS:        S/C SERIES

1410 71 CHEV MONT 350 COLD TRANS 52.49 143.2  613.7  3.67   8.8
  IHC=1550 PPM HEXANE COLD STAB  11.40  24.5  629.8  3.24  12.6
  ICO[ACT] =  1.3 %CO HOT TRANS   8.31  24.8  546.3  4.64  14.5
  ICO[SPEC]=  0.5 %CO 75 FTP     19.02  49.0  603.7  3.71  12.0
  OTHER TESTS:        S/C SERIES

1411 71 CHEV CAPR 400 COLD TRANS 12.49 244.3  624.3  4.66   8.5
  IHC= 210 PPM HEXANE COLD STAB   2.72  23.0  683.2  4.10  12.2
  ICO[ACT] =  1.5 %CO HOT TRANS   2.89  33.2  595.2  6.73  13.5
  ICO[SPEC] = N/A %CO 75 FTP      4.78  71.3  647.1  4.93  11.5
  OTHER TESTS:        S/C SERIES

1412 71 DODG DART 225 COLD TRANS  5.19 116.2  358.6  3.34  15.9
  IHC= 720 PPM HEXANE COLD STAB   3.56  66.8  347.0  1.94  19.2
  ICO[ACT] =  2.5 %CO HOT TRANS   3.02  47.6  333.7  3.87  21.2
  ICO[SPEC] = N/A %CO 75 FTP      3.75  71.7  345.8  2.75  18.9
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                MPG
VEH                                -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC    CO     CO2  NOxc    ECON
-------------------------------------------------------------------
1413 71 FORD MAVE 302 COLD TRANS   5.86  90.9   515.0  6.32    13.1
  IHC= 410 PPM HEXANE COLD STAB    4.00  68.8   463.7  3.19    15.2
  ICO[ACT] =  7.6 %CO HOT TRANS    3.45  34.2   456.8  7.24    17.0
  ICO[SPEC] = N/A %CO 75 FTP       4.23  63.9   472.4  4.94    15.1
  OTHER TESTS:        S/C SERIES

1414 71 FORD LTD  351 COLD TRANS   3.35  81.8   590.9  3.19    12.2
  IHC= 160 PPM HEXANE COLD STAB    2.55  70.8   595.4  2.31    12.4
  ICO[ACT] =  6.2 %CO HOT TRANS    2.96  41.3   519.6  4.02    14.9
  ICO[SPEC]=  0.2 %CO 75 FTP       2.83  65.0   573.8  2.95    13.0
  OTHER TESTS:        S/C SERIES

1415 71 FORD LTD  351 COLD TRANS  52.98 275.6   542.7  1.42     7.8
  IHC=2000 PPM HEXANE COLD STAB   34.52  69.9   610.3  2.83    10.7
  ICO[ACT] =  6.2 %CO HOT TRANS   30.07  42.0   568.5  4.47    12.2
  ICO[SPEC]=  0.2 %CO 75 FTP      37.11 104.6   585.0  2.99    10.2
  OTHER TESTS:        S/C SERIES

1416 71 MERC MARQ 429 COLD TRANS   5.85  60.9   607.8  7.45    12.3
  IHC= 600 PPM HEXANE COLD STAB    4.90  40.3   564.4  4.61    13.8
  ICO[ACT] =  6.0 %CO HOT TRANS    3.80  21.5   541.4  8.51    15.1
  ICO[SPEC] = N/A %CO 75 FTP       4.80  39.4   567.1  6.26    13.8
  OTHER TESTS:        S/C SERIES

1417 71 OLDS CUTL 350 COLD TRANS   5.51  71.0   554.0  3.47    13.0
  IHC= 360 PPM HEXANE COLD STAB    5.22  47.5   538.9  1.95    14.1
  ICO[ACT] =  3.5 %CO HOT TRANS    3.35  18.4   503.1  3.63    16.4
  ICO[SPEC] = N/A %CO 75 FTP       4.77  44.4   532.3  2.72    14.4
  OTHER TESTS:        S/C SERIES

1418 71 OLDS CUTL 350 COLD TRANS   5.44  53.2   567.9  5.02    13.3
  IHC= 255 PPM HEXANE COLD STAB    3.37  45.2   536.9  2.65    14.3
  ICO[ACT] =  4.2 %CO HOT TRANS    3.02  20.6   503.7  5.47    16.3
  ICO[SPEC] = N/A %CO 75 FTP       3.70  40.1   534.2  3.91    14.6
  OTHER TESTS:        S/C SERIES

1419 71 PLYM DUST 318 COLD TRANS   4.69  73.6   466.6  3.75    14.9
  IHC= 275 PPM HEXANE COLD STAB    4.42 101.3   422.9  2.25    14.9
  ICO[ACT] =  7.3 %CO HOT TRANS    3.29  47.7   412.2  3.97    17.8
  ICO[SPEC] = N/A %CO 75 FTP       4.17  81.0   429.0  3.03    15.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO.	YR MAKE MODL CID	TEST TYPE	HC	CO	CO_2	NOx_c	MPG FUEL ECON
			-----GRAMS PER MILE-----				
1420	71 PLYM FRY2 318	COLD TRANS	3.83	18.2	576.8	5.46	14.4
IHC= 110 PPM HEXANE		COLD STAB	2.66	7.0	559.9	4.12	15.3
ICO[ACT] = 0.4 %CO		HOT TRANS	3.01	6.7	506.1	5.88	16.9
ICO[SPEC] = N/A %CO		75 FTP	2.99	9.2	548.7	4.88	15.5
OTHER TESTS:		S/C SERIES					
1421	71 PONT CATA 350	COLD TRANS	3.07	43.9	832.1	4.14	9.7
IHC= 200 PPM HEXANE		COLD STAB	2.61	47.7	777.5	2.41	10.3
ICO[ACT] = 5.0 %CO		HOT TRANS	2.21	23.6	741.8	3.84	11.3
ICO[SPEC] = N/A %CO		75 FTP	2.59	40.3	779.0	3.15	10.4
OTHER TESTS:		S/C SERIES					
1422	71 VOLK SEDA 97	COLD TRANS	4.60	87.7	281.4	2.16	20.5
IHC= 305 PPM HEXANE		COLD STAB	3.08	69.9	308.3	1.10	20.7
ICO[ACT] = 8.6 %CO		HOT TRANS	2.75	58.6	265.7	1.83	24.2
ICO[SPEC] = N/A %CO		75 FTP	3.30	70.5	291.1	1.52	21.5
OTHER TESTS:		S/C SERIES					
0181	70 AMC AMBA 360	COLD TRANS	3.90	53.7	588.3	3.99	13.0
IHC= 250 PPM HEXANE		COLD STAB	3.94	79.8	572.8	2.15	12.5
ICO[ACT] = 3.3 %CO		HOT TRANS	4.12	44.7	525.6	4.35	14.6
ICO[SPEC] = N/A %CO		75 FTP	3.98	64.9	563.1	3.13	13.1
OTHER TESTS:		S/C SERIES					
0182	70 BUIC ELEC 455	COLD TRANS	7.70	150.4	595.4	3.12	10.4
IHC= 640 PPM HEXANE		COLD STAB	5.35	56.8	639.9	2.86	11.9
ICO[ACT] = 3.6 %CO		HOT TRANS	4.76	36.8	563.1	6.03	14.0
ICO[SPEC] = N/A %CO		75 FTP	5.67	70.6	609.8	3.78	12.0
OTHER TESTS:		S/C SERIES					
0183	70 CHEV MONT 350	COLD TRANS	8.64	202.2	458.3	1.07	11.0
IHC= 300 PPM HEXANE		COLD STAB	5.29	99.8	533.1	1.31	12.6
ICO[ACT] = 2.7 %CO		HOT TRANS	5.73	130.1	425.1	1.19	13.7
ICO[SPEC] = N/A %CO		75 FTP	6.10	129.1	488.2	1.23	12.5
OTHER TESTS:		S/C SERIES					
0184	70 CHEV MALI 307	COLD TRANS	7.30	82.0	492.3	6.75	13.8
IHC= 420 PPM HEXANE		COLD STAB	5.57	58.5	464.8	3.71	15.4
ICO[ACT] = 6.2 %CO		HOT TRANS	4.45	35.0	445.8	6.69	17.2
ICO[SPEC] = N/A %CO		75 FTP	5.62	56.9	465.3	5.15	15.5
OTHER TESTS:		S/C SERIES					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO. YR MAKE MODL CID	TEST TYPE	-----GRAMS PER MILE-----				MPG FUEL
		HC	CO	CO_2	NOx_c	ECON
0185 70 CHEV MALI 350	COLD TRANS	6.37	158.4	471.8	1.05	12.0
IHC=1420 PPM HEXANE	COLD STAB	5.99	28.8	552.7	1.49	14.4
ICO[ACT] = 0.4 %CO	HOT TRANS	5.10	81.3	442.3	1.25	15.1
ICO[SPEC] = N/A %CO	75 FTP	5.83	69.8	505.9	1.33	14.0
OTHER TESTS:	S/C SERIES					
0186 70 CHEV IMPA 350	COLD TRANS	31.94	70.6	577.2	3.06	11.2
IHC=2000 PPM HEXANE	COLD STAB	27.30	28.9	566.9	1.98	12.7
ICO[ACT] = 0.7 %CO	HOT TRANS	23.75	19.0	515.0	3.13	14.3
ICO[SPEC] = N/A %CO	75 FTP	27.29	34.8	554.8	2.52	12.8
OTHER TESTS:	S/C SERIES					
0187 70 CHEV CAPR 400	COLD TRANS	5.84	113.3	563.4	2.36	11.7
IHC= 320 PPM HEXANE	COLD STAB	2.65	20.2	575.1	1.87	14.4
ICO[ACT] = 0.5 %CO	HOT TRANS	2.65	26.8	521.9	2.91	15.5
ICO[SPEC] = N/A %CO	75 FTP	3.30	41.2	558.2	2.26	14.0
OTHER TESTS:	S/C SERIES					
0188 70 DODG DART 225	COLD TRANS	4.41	88.6	377.2	6.61	16.7
IHC= 300 PPM HEXANE	COLD STAB	3.70	61.3	352.1	4.99	19.3
ICO[ACT] = 6.4 %CO	HOT TRANS	2.42	27.8	356.4	7.42	21.8
ICO[SPEC] = N/A %CO	75 FTP	3.50	57.8	358.5	5.99	19.3
OTHER TESTS:	S/C SERIES					
0189 70 FORD MUST 302	COLD TRANS	4.54	69.2	497.9	4.43	14.3
IHC= 200 PPM HEXANE	COLD STAB	3.66	64.3	508.2	2.17	14.3
ICO[ACT] = 4.4 %CO	HOT TRANS	3.12	36.1	461.1	4.65	16.8
ICO[SPEC] = N/A %CO	75 FTP	3.69	57.6	493.2	3.31	14.9
OTHER TESTS:	S/C SERIES					
0190 70 FORD FAIR 302	COLD TRANS	7.13	61.2	534.4	3.52	13.6
IHC= 350 PPM HEXANE	COLD STAB	5.50	32.7	504.1	1.55	15.5
ICO[ACT] = 3.9 %CO	HOT TRANS	3.36	15.4	446.4	4.14	18.4
ICO[SPEC] = N/A %CO	75 FTP	5.25	33.8	494.6	2.66	15.7
OTHER TESTS:	S/C SERIES					
0191 70 FORD LTD 351	COLD TRANS	7.62	140.0	493.0	2.74	12.0
IHC= 440 PPM HEXANE	COLD STAB	4.80	58.5	498.3	3.09	14.7
ICO[ACT] = 6.6 %CO	HOT TRANS	4.11	38.4	473.6	4.41	16.2
ICO[SPEC] = N/A %CO	75 FTP	5.19	69.8	490.4	3.38	14.4
OTHER TESTS:	S/C SERIES					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                             MPG
VEH                               -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC    CO     CO2  NOxc  ECON
----------------------------------------------------------------
0192 70 FORD LTD  351 COLD TRANS   3.92  59.3  535.1  7.19  13.9
  IHC= 220 PPM HEXANE COLD STAB    4.13 113.2  508.5  4.21  12.7
  ICO[ACT] =  8.0 %CO HOT TRANS    3.05  50.6  483.8  8.07  15.5
  ICO[SPEC] = N/A %CO 75 FTP       3.79  85.0  507.2  5.88  13.6
  OTHER TESTS:        S/C SERIES

0193 70 MERC COUG 351 COLD TRANS   3.48  37.1  555.3  6.31  14.2
  IHC= 150 PPM HEXANE COLD STAB    2.63  42.0  541.3  3.49  14.4
  ICO[ACT] =  3.1 %CO HOT TRANS    2.55  25.2  498.7  6.57  16.2
  ICO[SPEC] = N/A %CO 75 FTP       2.78  36.4  532.6  4.91  14.8
  OTHER TESTS:        S/C SERIES

0194 70 OLDS CUTL 350 COLD TRANS   3.12  55.0  653.5  2.72  11.8
  IHC= 170 PPM HEXANE COLD STAB    2.45  55.8  621.1  1.98  12.4
  ICO[ACT] =  4.0 %CO HOT TRANS    2.31  31.7  559.5  3.05  14.4
  ICO[SPEC]=  1.0 %CO 75 FTP       2.55  49.1  611.0  2.42  12.7
  OTHER TESTS:        S/C SERIES

0195 70 PLYM STAW 383 COLD TRANS   7.85 130.0  610.1  5.61  10.6
  IHC= 250 PPM HEXANE COLD STAB    4.97  91.3  559.8  4.04  12.3
  ICO[ACT] =  8.8 %CO HOT TRANS    3.82  47.0  576.7  6.75  13.4
  ICO[SPEC] = N/A %CO 75 FTP       5.25  87.2  574.8  5.10  12.2
  OTHER TESTS:        S/C SERIES

0196 70 PLYM DUST 198 COLD TRANS   4.01  63.7  390.4  4.87  17.6
  IHC= 585 PPM HEXANE COLD STAB    3.51  59.7  324.5  2.97  20.7
  ICO[ACT] =  7.0 %CO HOT TRANS    2.82  33.4  339.1  5.26  22.2
  ICO[SPEC] = N/A %CO 75 FTP       3.42  53.4  342.0  3.98  20.3
  OTHER TESTS:        S/C SERIES

0197 70 PONT BONN 455 COLD TRANS  14.00 117.2  700.2  3.10   9.6
  IHC= 700 PPM HEXANE COLD STAB    9.03  83.9  613.7  2.12  11.5
  ICO[ACT] =  3.0 %CO HOT TRANS   10.62  52.6  568.6  4.27  13.0
  ICO[SPEC] = N/A %CO 75 FTP      10.49  82.2  619.2  2.91  11.4
  OTHER TESTS:        S/C SERIES

0198 70 DATS 510   97 COLD TRANS   4.06  16.6  351.1  6.75  22.8
  IHC= 305 PPM HEXANE COLD STAB    2.53  23.7  291.8  3.53  26.3
  ICO[ACT] =  1.7 %CO HOT TRANS    2.09  13.6  293.0  6.16  27.6
  ICO[SPEC]=  4.0 %CO 75 FTP       2.73  19.5  304.3  4.91  25.8
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                            MPG
VEH                               -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2   NOxc ECON
-----------------------------------------------------------------
0199 70 TOYO SEDA 113 COLD TRANS  2.56  32.5  365.0  6.52  20.9
  IHC= 440 PPM HEXANE COLD STAB   2.70  32.2  309.1  4.36  24.1
  ICO[ACT] =   1.4 %CO HOT TRANS  2.23  20.5  298.0  6.88  26.3
  ICO[SPEC] = N/A %CO 75 FTP      2.54  29.1  317.6  5.49  23.9
  OTHER TESTS:        S/C SERIES

0200 70 VOLK SEDA  97 COLD TRANS  4.03  45.8  293.1  2.97  23.5
  IHC= 250 PPM HEXANE COLD STAB   3.32  26.7  325.7  1.47  23.5
  ICO[ACT] =   2.4 %CO HOT TRANS  2.88  24.7  265.4  2.37  28.3
  ICO[SPEC] = N/A %CO 75 FTP      3.35  30.1  302.6  2.02  24.6
  OTHER TESTS:        S/C SERIES

042  70 BUIC LESA 350 COLD TRANS 13.41 251.8  520.6  2.99   9.3
  IHC= 200 PPM HEXANE COLD STAB   4.80 118.3  534.9  2.98  12.1
  ICO[ACT] =   5.0 %CO HOT TRANS  3.98  67.8  511.0  5.18  14.1
  ICO[SPEC] = N/A %CO 75 FTP      6.35 132.0  525.4  3.58  11.8
  OTHER TESTS:        S/C SERIES

0424 70 BUIC LESA 350 COLD TRANS 12.17 177.3  532.7  4.45  10.4
  IHC= 515 PPM HEXANE COLD STAB   7.38 112.2  491.2  2.91  12.8
  ICO[ACT] =   9.0 %CO HOT TRANS  4.63  54.5  494.1  5.29  14.9
  ICO[SPEC] = N/A %CO 75 FTP      7.62 109.9  500.5  3.88  12.7
  OTHER TESTS:        S/C SERIES

0425 70 CADI DEVI 472 COLD TRANS  2.73  49.1  936.4  5.34   8.7
  IHC= 180 PPM HEXANE COLD STAB   2.96  68.1  846.2  4.10   9.2
  ICO[ACT] =   6.0 %CO HOT TRANS  1.89  37.4  957.8  6.49   8.7
  ICO[SPEC] = N/A %CO 75 FTP      2.62  55.8  895.2  5.01   9.0
  OTHER TESTS:        S/C SERIES

0426 70 CHEV NOVA 307 COLD TRANS  4.93  47.1  479.2  2.48  15.6
  IHC= 340 PPM HEXANE COLD STAB   3.73  48.8  422.3  1.32  17.4
  ICO[ACT] =   3.5 %CO HOT TRANS  2.86  26.0  411.7  2.42  19.2
  ICO[SPEC] = N/A %CO 75 FTP      3.74  42.2  431.1  1.86  17.4
  OTHER TESTS:        S/C SERIES

0427 70 CHEV IMPA 350 COLD TRANS  7.59 128.4  611.8  3.10  10.6
  IHC= 320 PPM HEXANE COLD STAB   3.99  87.1  562.3  1.68  12.5
  ICO[ACT] =   4.4 %CO HOT TRANS  3.64  65.8  529.4  3.11  13.8
  ICO[SPEC] = N/A %CO 75 FTP      4.64  89.8  563.5  2.36  12.3
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                   MPG
VEH                                  -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc     ECON
-----------------------------------------------------------------------
0428 70 CHEV IMPA 400 COLD TRANS 11.32 207.1   484.3   1.00   10.5
  IHC= 200 PPM HEXANE COLD STAB   3.71  63.3   578.9   1.36   12.9
  ICO[ACT] =  0.2 %CO HOT TRANS   4.73  98.2   466.1   1.22   14.0
  ICO[SPEC] = N/A %CO 75 FTP      5.56 102.4   528.6   1.25   12.6
  OTHER TESTS:        S/C SERIES

0429 70 CHRY NEWP 383 COLD TRANS  5.14  50.9   644.3   5.72   12.0
  IHC= 250 PPM HEXANE COLD STAB   3.95  75.1   589.6   3.56   12.3
  ICO[ACT] =  5.9 %CO HOT TRANS   2.84  32.3   573.4   6.48   14.0
  ICO[SPEC] = N/A %CO 75 FTP      3.89  58.5   596.5   4.80   12.7
  OTHER TESTS:        S/C SERIES

0430 70 DODG CORO 318 COLD TRANS 22.72 238.6   391.1   0.91   10.6
  IHC= 670 PPM HEXANE COLD STAB  15.75 205.8   410.5   0.65   11.3
  ICO[ACT] =  4.3 %CO HOT TRANS  11.37  72.8   435.3   3.86   15.2
  ICO[SPEC] = N/A %CO 75 FTP     15.99 176.2   413.3   1.58   12.0
  OTHER TESTS:        S/C SERIES

0431 70 FORD MAVE 200 COLD TRANS  4.33  59.3   404.3   5.09   17.4
  IHC= 510 PPM HEXANE COLD STAB   2.71  25.5   363.4   2.79   21.5
  ICO[ACT] =  6.4 %CO HOT TRANS   3.00  16.5   362.5   5.15   22.3
  ICO[SPEC] = N/A %CO 75 FTP      3.12  30.0   371.6   3.91   20.7
  OTHER TESTS:        S/C SERIES

0432 70 FORD MUST 351 COLD TRANS  7.40  69.9   512.7   3.72   13.7
  IHC= 780 PPM HEXANE COLD STAB   8.38  86.3   440.3   1.94   14.7
  ICO[ACT] =  8.6 %CO HOT TRANS   7.28  39.1   446.8   4.43   16.7
  ICO[SPEC] = N/A %CO 75 FTP      7.87  70.1   457.0   2.99   15.0
  OTHER TESTS:        S/C SERIES

0433 70 FORD LTD  390 COLD TRANS 10.76 173.8   522.1   3.62   10.7
  IHC=2000 PPM HEXANE COLD STAB  14.02  62.1   529.3   4.04   13.2
  ICO[ACT] =  4.1 %CO HOT TRANS   9.50  37.0   506.8   6.49   14.9
  ICO[SPEC] = N/A %CO 75 FTP     12.12  78.2   521.6   4.62   13.0
  OTHER TESTS:        S/C SERIES

0434 70 OLDS NNTY 455 COLD TRANS  3.55  71.0   786.6   3.91    9.8
  IHC= 250 PPM HEXANE COLD STAB   3.32  67.5   735.2   2.54   10.4
  ICO[ACT] =  6.2 %CO HOT TRANS   2.58  39.7   705.9   3.89   11.4
  ICO[SPEC]=  1.1 %CO 75 FTP      3.16  60.6   737.8   3.19   10.5
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                      MPG
VEH                                  -----GRAMS PER MILE-----        FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC      CO     CO2     NOxc     ECON
--------------------------------------------------------------------------
0435 70 PLYM FRY2 383 COLD TRANS  6.84   87.4   606.7   4.81    11.6
  IHC= 160 PPM HEXANE COLD STAB   4.03   64.0   595.9   2.77    12.5
  ICO[ACT] =  3.0 %CO HOT TRANS   3.41   32.8   574.2   5.44    13.9
  ICO[SPEC] = N/A %CO 75 FTP      4.44   60.3   592.2   3.92    12.7
  OTHER TESTS:        S/C SERIES

0436 70 PONT BONN 455 COLD TRANS  5.35   68.9   620.3   7.18    11.9
  IHC= 650 PPM HEXANE COLD STAB   5.30   47.5   638.5   5.28    12.2
  ICO[ACT] =  3.8 %CO HOT TRANS   3.99   25.3   554.2   7.57    14.6
  ICO[SPEC] = N/A %CO 75 FTP      4.95   45.8   611.7   6.30    12.7
  OTHER TESTS:        S/C SERIES

0437 70 VOLK SEDA  97 COLD TRANS  3.32   34.4   261.0   3.58    27.3
  IHC= 800 PPM HEXANE COLD STAB   3.55   22.1   293.3   1.76    26.2
  ICO[ACT] =  3.4 %CO HOT TRANS   2.88   21.4   250.7   3.20    30.3
  ICO[SPEC] = N/A %CO 75 FTP      3.32   24.4   275.0   2.53    27.4
  OTHER TESTS:        S/C SERIES

9438 69 AMC  RAMB 199 COLD TRANS 32.36   42.5   339.2   3.20    17.5
  IHC=2000 PPM HEXANE COLD STAB  27.09   25.0   347.7   2.63    18.8
  ICO[ACT] =  0.1 %CO HOT TRANS  24.42   33.3   302.6   3.24    20.5
  ICO[SPEC] = N/A %CO 75 FTP     27.44   30.8   333.6   2.91    18.9
  OTHER TESTS:        S/C SERIES

9439 69 BUIC ELEC 430 COLD TRANS  6.02   92.6   635.7   6.29    11.1
  IHC= 440 PPM HEXANE COLD STAB   6.46   78.2   633.3   4.20    11.4
  ICO[ACT] =  3.8 %CO HOT TRANS   4.50   37.1   572.3   7.32    13.8
  ICO[SPEC] = N/A %CO 75 FTP      5.83   70.0   617.2   5.48    11.9
  OTHER TESTS:        S/C SERIES

9440 69 BUIC STAW 350 COLD TRANS  4.74   97.4   633.4   5.55    11.1
  IHC= 120 PPM HEXANE COLD STAB   3.37   70.7   627.9   3.72    11.8
  ICO[ACT] =  4.9 %CO HOT TRANS   2.96   39.0   582.2   6.55    13.6
  ICO[SPEC] = N/A %CO 75 FTP      3.54   67.5   616.5   4.87    12.1
  OTHER TESTS:        S/C SERIES

9441 69 CADI DEVI 472 COLD TRANS  4.00   80.3   634.4   5.03    11.5
  IHC= 180 PPM HEXANE COLD STAB   2.84   39.7   645.1   4.70    12.4
  ICO[ACT] =  0.4 %CO HOT TRANS   2.48   24.4   566.1   7.02    14.5
  ICO[SPEC] = N/A %CO 75 FTP      2.98   43.9   621.3   5.40    12.7
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                      MPG
VEH                                      -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC      CO      CO2    NOXc     ECON
-------------------------------------------------------------------------
9442 69 CHEV NOVA 307 COLD TRANS   9.17  140.9    481.2    2.67     12.1
  IHC= 320 PPM HEXANE COLD STAB    4.61   84.2    457.4    1.47     14.7
  ICO[ACT] =  4.6 %CO HOT TRANS    3.34   46.1    441.4    3.10     16.9
  ICO[SPEC] = N/A %CO 75 FTP       5.20   85.5    458.0    2.16     14.6
  OTHER TESTS:        S/C SERIES

9443 69 CHEV IMPA 350 COLD TRANS   6.30   83.7    543.8    4.00     12.8
  IHC= 160 PPM HEXANE COLD STAB    3.44   38.9    567.7    2.51     13.9
  ICO[ACT] =  2.5 %CO HOT TRANS    3.08   19.7    485.0    4.70     16.9
  ICO[SPEC] = N/A %CO 75 FTP       3.93   42.9    540.2    3.42     14.3
  OTHER TESTS:        S/C SERIES

9444 69 CHEV MALI 307 COLD TRANS   9.07  177.6    424.5    1.48     12.1
  IHC= 285 PPM HEXANE COLD STAB    5.87  138.7    429.1    1.10     13.3
  ICO[ACT] =  7.1 %CO HOT TRANS    4.60   77.3    420.0    3.44     16.0
  ICO[SPEC] = N/A %CO 75 FTP       6.18  130.0    425.7    1.81     13.7
  OTHER TESTS:        S/C SERIES

9445 69 CHEV IMPA 327 COLD TRANS   6.56   72.6    495.1    4.99     14.1
  IHC= 400 PPM HEXANE COLD STAB    5.06   65.5    489.6    3.14     14.6
  ICO[ACT] =  4.4 %CO HOT TRANS    4.27   38.6    457.5    5.31     16.7
  ICO[SPEC] = N/A %CO 75 FTP       5.15   59.6    481.9    4.11     15.0
  OTHER TESTS:        S/C SERIES

9446 69 CHEV IMPA 327 COLD TRANS  13.19  229.2    444.5    1.56     10.5
  IHC= 300 PPM HEXANE COLD STAB    4.41   73.2    526.0    2.81     13.6
  ICO[ACT] =  3.2 %CO HOT TRANS    4.62   76.1    443.5    3.41     15.4
  ICO[SPEC] = N/A %CO 75 FTP       6.28  106.1    486.7    2.72     13.2
  OTHER TESTS:        S/C SERIES

9447 69 CHEV BISC 250 COLD TRANS   7.67   68.0    469.3    8.65     14.8
  IHC= 300 PPM HEXANE COLD STAB    4.37   17.7    428.6    6.97     18.9
  ICO[ACT] =  4.5 %CO HOT TRANS    5.69   16.6    408.4    9.83     19.6
  ICO[SPEC] = N/A %CO 75 FTP       5.41   27.7    431.5    8.10     18.0
  OTHER TESTS:        S/C SERIES

9448 69 CHEV CAPR 350 COLD TRANS  26.92  102.6    624.8    3.59     10.2
  IHC=2000 PPM HEXANE COLD STAB   25.80   60.9    621.2    2.50     11.1
  ICO[ACT] =  7.0 %CO HOT TRANS   22.10   36.0    576.7    3.93     12.6
  ICO[SPEC] = N/A %CO 75 FTP      25.02   62.7    609.8    3.11     11.3
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                            MPG
VEH                              -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC    CO    CO2   NOxc  ECON
---------------------------------------------------------------
9449 69 CHRY STAW 383 COLD TRANS  5.46  96.5  660.2  6.46  10.7
  IHC= 140 PPM HEXANE COLD STAB   2.90   9.6  628.0  5.56  13.6
  ICO[ACT] =  0.1 %CO HOT TRANS   3.32  21.1  564.4  8.49  14.6
  ICO[SPEC] = N/A %CO 75 FTP      3.54  30.6  617.3  6.55  13.1
  OTHER TESTS:        S/C SERIES

9450 69 DODG CORO 318 COLD TRANS  5.53  93.7  505.4  4.18  13.2
  IHC= 205 PPM HEXANE COLD STAB   3.72  37.4  503.1  4.44  15.5
  ICO[ACT] =  2.5 %CO HOT TRANS   3.58  31.7  472.3  6.53  16.6
  ICO[SPEC] = N/A %CO 75 FTP      4.06  47.4  495.2  4.96  15.2
  OTHER TESTS:        S/C SERIES

9451 69 FORD FAIR 250 COLD TRANS  4.78  60.9  421.8  6.40  16.7
  IHC= 340 PPM HEXANE COLD STAB   4.44  62.1  391.7  5.42  17.6
  ICO[ACT] =  5.6 %CO HOT TRANS   4.20  40.9  374.5  6.67  19.6
  ICO[SPEC] = N/A %CO 75 FTP      4.45  56.0  393.2  5.96  17.9
  OTHER TESTS:        S/C SERIES

9452 69 FORD MUST 302 COLD TRANS  6.91  66.3  465.8  6.13  15.0
  IHC= 550 PPM HEXANE COLD STAB   7.82 114.2  386.2  3.78  15.0
  ICO[ACT] =  8.4 %CO HOT TRANS   6.35  57.5  401.8  6.96  17.3
  ICO[SPEC] = N/A %CO 75 FTP      7.24  88.9  406.8  5.13  15.6
  OTHER TESTS:        S/C SERIES

9453 69 FORD TORI 351 COLD TRANS  4.34  62.1  543.0  3.59  13.6
  IHC= 170 PPM HEXANE COLD STAB   3.21  36.7  542.9  2.30  14.5
  ICO[ACT] = 2.7 %CO  HOT TRANS   3.28  30.8  498.2  4.18  15.9
  ICO[SPEC] = N/A %CO 75 FTP      3.46  40.3  530.7  3.08  14.7
  OTHER TESTS:        S/C SERIES

9454 69 FORD LTD  390 COLD TRANS  6.99  73.8  587.3  6.51  12.2
  IHC= 170 PPM HEXANE COLD STAB   3.57   1.9  589.8  5.40  14.7
  ICO[ACT] =  0.1 %CO HOT TRANS   4.03   7.3  537.8  8.86  15.8
  ICO[SPEC] = N/A %CO 75 FTP      4.40  18.2  575.1  6.57  14.4
  OTHER TESTS:        S/C SERIES

9455 69 FORD MUST 302 COLD TRANS  5.69  27.9  536.3  8.92  14.8
  IHC= 320 PPM HEXANE COLD STAB   4.45  33.5  510.2  5.26  15.4
  ICO[ACT] =  2.6 %CO HOT TRANS   3.77  14.9  470.8  8.38  17.5
  ICO[SPEC] = N/A %CO 75 FTP      4.52  27.2  504.8  6.86  15.8
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
VEH                                  -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc    ECON
-----------------------------------------------------------------------
9456 69 FORD STAW 390 COLD TRANS   4.73   40.6   696.2   6.55    11.5
  IHC= 140 PPM HEXANE COLD STAB    3.28   40.1   638.3   3.91    12.5
  ICO[ACT] =  2.9 %CO HOT TRANS    3.91   29.1   606.1   6.93    13.4
  ICO[SPEC] = N/A %CO 75 FTP       3.75   37.2   641.4   5.28    12.5
  OTHER TESTS:        S/C SERIES

9457 69 MERC MARQ 429 COLD TRANS   6.69   56.9   620.0   8.96    12.1
  IHC= 420 PPM HEXANE COLD STAB    6.15   69.5   565.7   5.69    12.8
  ICO[ACT] =  5.2 %CO HOT TRANS    5.18   38.7   548.8   8.84    14.2
  ICO[SPEC] = N/A %CO 75 FTP       5.99   58.5   572.3   7.23    13.0
  OTHER TESTS:        S/C SERIES

9458 69 OLDS NNTY 455 COLD TRANS   5.74  143.5   609.8   5.35    10.4
  IHC= 260 PPM HEXANE COLD STAB    4.19   75.6   570.3   3.54    12.6
  ICO[ACT] =  4.2 %CO HOT TRANS    3.32   40.7   536.9   6.31    14.5
  ICO[SPEC] = N/A %CO 75 FTP       4.27   80.0   569.3   4.67    12.5
  OTHER TESTS:        S/C SERIES

9459 69 OLDS DELT 350 COLD TRANS   6.18  110.1   530.3   4.35    12.3
  IHC= 180 PPM HEXANE COLD STAB    3.35   39.6   551.9   3.03    14.2
  ICO[ACT] =  1.5 %CO HOT TRANS    3.26   32.0   495.3   4.90    16.0
  ICO[SPEC] = N/A %CO 75 FTP       3.91   52.0   532.0   3.81    14.2
  OTHER TESTS:        S/C SERIES

9460 69 PLYM STAW 318 COLD TRANS   7.88   48.6   504.6   7.97    14.6
  IHC= 670 PPM HEXANE COLD STAB    6.05   59.4   469.9   4.86    15.2
  ICO[ACT] =  2.4 %CO HOT TRANS    5.02   49.3   448.6   6.95    16.4
  ICO[SPEC] = N/A %CO 75 FTP       6.14   54.4   471.2   6.07    15.4
  OTHER TESTS:        S/C SERIES

9461 69 PLYM VALI 225 COLD TRANS   5.12   50.8   369.6   5.83    19.1
  IHC= 460 PPM HEXANE COLD STAB    3.47   40.9   323.7   4.74    22.2
  ICO[ACT] =  4.8 %CO HOT TRANS    3.16   33.2   330.8   5.76    22.6
  ICO[SPEC] = N/A %CO 75 FTP       3.73   40.9   335.1   5.24    21.6
  OTHER TESTS:        S/C SERIES

9462 69 PONT LEMA 350 COLD TRANS   6.42   98.1   616.0   3.63    11.2
  IHC= 320 PPM HEXANE COLD STAB    3.60   43.9   573.5   2.56    13.6
  ICO[ACT] =  3.2 %CO HOT TRANS    2.89   28.4   517.2   3.76    15.5
  ICO[SPEC] = N/A %CO 75 FTP       3.99   50.8   566.9   3.11    13.5
  OTHER TESTS:        S/C SERIES
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
VEH                               -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2   NOxc   ECON
--------------------------------------------------------------------
9463 69 PONT CATA 400 COLD TRANS  9.30 126.4   550.9  4.60   11.4
  IHC= 450 PPM HEXANE COLD STAB   6.55 137.0   477.8  3.24   12.4
  ICO[ACT] =  9.6 $CO HOT TRANS   4.85  72.7   485.3  5.80   14.4
  ICO[SPEC] = N/A $CO 75 FTP      6.65 117.3   494.9  4.22   12.7
  OTHER TESTS:        S/C SERIES

9464 69 PONT CATA 400 COLD TRANS  3.66  64.0   538.5  3.72   13.6
  IHC= 210 PPM HEXANE COLD STAB   3.93  70.4   559.7  3.30   13.0
  ICO[ACT] =  4.4 $CO HOT TRANS   2.87  34.9   527.0  5.17   15.0
  ICO[SPEC] = N/A $CO 75 FTP      3.58  59.4   546.4  3.90   13.6
  OTHER TESTS:        S/C SERIES

9465 69 TOYO CORO 116 COLD TRANS  6.75  33.6   585.9 12.69   13.4
  IHC= 460 PPM HEXANE COLD STAB   2.94  43.0   384.7  6.99   19.2
  ICO[ACT] =  4.0 $CO HOT TRANS   5.55  35.9   518.0 12.74   15.0
  ICO[SPEC] = N/A $CO 75 FTP      4.44  39.1   462.5  9.73   16.5
  OTHER TESTS:        S/C SERIES

9466 69 VOLK TRAN  97 COLD TRANS  5.85 109.1   344.7  2.77   16.6
  IHC= 640 PPM HEXANE COLD STAB   4.81  74.2   370.3  2.22   17.7
  ICO[ACT] =  9.1 $CO HOT TRANS   3.51  70.3   339.3  2.84   19.3
  ICO[SPEC] = N/A $CO 75 FTP      4.67  80.3   356.5  2.50   17.8
  OTHER TESTS:        S/C SERIES

9467 69 VOLK TRAN  97 COLD TRANS  3.83  58.0   316.6  2.63   21.1
  IHC= 350 PPM HEXANE COLD STAB   3.68  38.7   371.6  2.03   20.0
  ICO[ACT] =  2.5 $CO HOT TRANS   3.35  45.0   308.8  2.58   22.7
  ICO[SPEC] = N/A $CO 75 FTP      3.62  44.4   343.2  2.30   20.9
  OTHER TESTS:        S/C SERIES

8468 67 AMC  STAW 199 COLD TRANS  7.97  60.7   358.4  6.45   18.5
  IHC= 900 PPM HEXANE COLD STAB   9.33  81.9   319.3  3.41   18.6
  ICO[ACT] = 10.0 $CO HOT TRANS   7.57  51.2   316.3  6.00   21.1
  ICO[SPEC] = N/A $CO 75 FTP      8.57  69.2   326.5  4.74   19.2
  OTHER TESTS:        S/C SERIES

8469 67 AMC  STAW 232 COLD TRANS  2.77  14.5   402.4  5.35   20.5
  IHC= 185 PPM HEXANE COLD STAB   2.10   5.0   375.0  3.02   22.8
  ICO[ACT] =  0.3 $CO HOT TRANS   2.41   4.3   353.6  5.11   24.1
  ICO[SPEC] = N/A $CO 75 FTP      2.32   6.8   374.8  4.07   22.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                      MPG
                                       -----GRAMS PER MILE-----      FUEL
VEH
NO.  YR MAKE MODL CID TEST   TYPE     HC     CO      CO2    NOxc     ECON
--------------------------------------------------------------------------
8470 67 AMC  REBE 290 COLD TRANS    9.28  127.9    507.7   5.20     12.0
  IHC= 820 PPM HEXANE COLD STAB     9.00  138.4    420.6   2.79     13.3
  ICO[ACT] = 10.0 %CO HOT TRANS     6.11   67.2    437.5   5.92     15.8
  ICO[SPEC] = N/A %CO 75 FTP        8.27  116.8    443.1   4.14     13.6
  OTHER TESTS:        S/C SERIES

8471 67 BUIC LESA 340 COLD TRANS    8.50  143.7    580.7   2.03     10.6
  IHC= 360 PPM HEXANE COLD STAB     8.83  141.7    582.3   1.08     10.7
  ICO[ACT] =  4.4 %CO HOT TRANS     6.30   90.7    559.1   1.83     12.3
  ICO[SPEC] = N/A %CO 75 FTP        8.07  128.2    575.6   1.48     11.1
  OTHER TESTS:        S/C SERIES

8472 68 BUIC RIVI 430 COLD TRANS    3.81   24.2    752.0   4.70     11.1
  IHC= 145 PPM HEXANE COLD STAB     1.95    6.2    779.7   2.78     11.2
  ICO[ACT] =  0.1 %CO HOT TRANS     3.16   10.6    636.3   4.85     13.4
  ICO[SPEC] = N/A %CO 75 FTP        2.66   11.1    734.9   3.74     11.7
  OTHER TESTS:        S/C SERIES

8473 68 BUIC STAW 350 COLD TRANS   11.69  208.0    485.9   2.05     10.4
  IHC= 135 PPM HEXANE COLD STAB     5.44  113.2    527.2   1.42     12.3
  ICO[ACT] =  4.5 %CO HOT TRANS     4.97   93.1    463.2   2.86     14.2
  ICO[SPEC] = N/A %CO 75 FTP        6.60  127.2    501.2   1.94     12.3
  OTHER TESTS:        S/C SERIES

8474 66 CADI FLEE 429 COLD TRANS   10.24  188.2    563.6   2.97     10.0
  IHC= 510 PPM HEXANE COLD STAB     9.43  167.1    503.5   2.76     11.2
  ICO[ACT] = 10.0 %CO HOT TRANS     9.36  119.7    495.6   4.26     12.4
  ICO[SPEC] = N/A %CO 75 FTP        9.58  158.5    513.7   3.21     11.2
  OTHER TESTS:        S/C SERIES

8475 67 CHEV IMPA 283 COLD TRANS   10.37  118.2    453.7   3.36     13.2
  IHC= 960 PPM HEXANE COLD STAB    10.73  115.3    396.5   2.01     14.5
  ICO[ACT] = 10.0 %CO HOT TRANS     7.33   89.9    393.3   3.23     15.9
  ICO[SPEC] = N/A %CO 75 FTP        9.73  108.9    407.4   2.62     14.6
  OTHER TESTS:        S/C SERIES

8476 67 CHEV CHEL 283 COLD TRANS    5.91   57.9    442.3   3.11     16.1
  IHC=1200 PPM HEXANE COLD STAB     5.34   43.9    437.1   2.23     17.0
  ICO[ACT] =  1.5 %CO HOT TRANS     4.99   43.5    397.3   3.16     18.4
  ICO[SPEC] = N/A %CO 75 FTP        5.36   46.7    427.3   2.66     17.1
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                MPG
VEH                                 -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2    NOxc   ECON
-------------------------------------------------------------------
8477 67 CHEV BELA 283 COLD TRANS 11.76 169.4  439.7  2.53   11.9
  IHC= 900 PPM HEXANE COLD STAB   6.93  66.3  434.1  2.38   15.8
  ICO[ACT] =  3.3 %CO HOT TRANS   6.79  83.9  408.3  3.24   15.8
  ICO[SPEC] = N/A %CO 75 FTP      7.89  92.3  428.2  2.65   14.8
  OTHER TESTS:        S/C SERIES

8478 68 CHEV IMPA 307 COLD TRANS 10.67 171.0  583.2  2.44   10.0
  IHC=1200 PPM HEXANE COLD STAB   6.63  94.6  525.7  1.63   12.8
  ICO[ACT] =  0.6 %CO HOT TRANS   6.64  73.0  485.4  2.89   14.3
  ICO[SPEC] = N/A %CO 75 FTP      7.47 104.4  526.5  2.14   12.4
  OTHER TESTS:        S/C SERIES

8479 67 CHEV CAPR 327 COLD TRANS 12.31 187.5  538.4  2.77   10.2
  IHC= 880 PPM HEXANE COLD STAB   6.76  83.1  474.3  1.21   14.2
  ICO[ACT] =  0.3 %CO HOT TRANS   9.63 107.3  433.2  2.02   14.0
  ICO[SPEC] = N/A %CO 75 FTP      8.69 111.2  476.3  1.76   13.1
  OTHER TESTS:        S/C SERIES

8480 68 CHEV IMPA 307 COLD TRANS 10.20 154.1  474.1  2.24   11.9
  IHC= 800 PPM HEXANE COLD STAB   6.89  62.2  461.3  2.79   15.3
  ICO[ACT] =  5.0 %CO HOT TRANS   5.84  52.3  455.5  4.01   16.0
  ICO[SPEC] = N/A %CO 75 FTP      7.29  78.4  462.4  3.01   14.6
  OTHER TESTS:        S/C SERIES

8481 67 CHEV IMPA 283 COLD TRANS 11.02 109.3  446.2  4.04   13.6
  IHC= 940 PPM HEXANE COLD STAB   9.34  80.7  410.8  2.54   15.6
  ICO[ACT] =  7.4 %CO HOT TRANS   7.63  58.2  407.3  4.66   17.0
  ICO[SPEC] = N/A %CO 75 FTP      9.22  80.5  417.2  3.43   15.5
  OTHER TESTS:        S/C SERIES

8482 67 CHEV MALI 283 COLD TRANS  7.77 109.9  446.4  2.74   13.8
  IHC= 580 PPM HEXANE COLD STAB   6.42  86.4  411.0  1.61   15.6
  ICO[ACT] =  5.2 %CO HOT TRANS   5.12  63.5  388.3  3.00   17.6
  ICO[SPEC] = N/A %CO 75 FTP      6.35  85.0  412.1  2.22   15.7
  OTHER TESTS:        S/C SERIES

8483 68 CHEV IMPA 307 COLD TRANS  8.54  54.5  487.3  4.40   14.8
  IHC= 880 PPM HEXANE COLD STAB   6.05  41.6  456.4  3.34   16.4
  ICO[ACT] =  4.1 %CO HOT TRANS   7.15  42.3  437.1  4.58   16.9
  ICO[SPEC] = N/A %CO 75 FTP      6.86  44.5  457.5  3.90   16.2
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                  MPG
VEH                                  -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO      CO2   NOxc    ECON
---------------------------------------------------------------------
8484 68 CHEV IMPA 307 COLD TRANS   9.23  132.2   498.6   3.67    12.1
  IHC= 860 PPM HEXANE COLD STAB    7.61   67.0   442.8   2.97    15.5
  ICO[ACT] =   8.0 $CO HOT TRANS   6.10   62.4   432.9   3.99    16.1
  ICO[SPEC] = N/A $CO 75 FTP       7.53   79.1   451.6   3.39    14.8
  OTHER TESTS:        S/C SERIES

8485 68 CHEV STAW 327 COLD TRANS  12.33  182.0   514.7   3.30    10.6
  IHC= 820 PPM HEXANE COLD STAB   14.44  212.4   432.9   1.53    10.9
  ICO[ACT] = 10.0 $CO HOT TRANS   10.80  139.6   438.2   3.62    12.8
  ICO[SPEC] = N/A $CO 75 FTP      13.01  186.3   451.2   2.47    11.3
  OTHER TESTS:        S/C SERIES

8486 68 CHEV IMPA 327 COLD TRANS   7.12  121.8   472.0   2.56    12.9
  IHC= 195 PPM HEXANE COLD STAB    4.79   77.9   473.5   1.69    14.5
  ICO[ACT] =   2.4 $CO HOT TRANS   5.00   68.2   424.3   3.23    16.2
  ICO[SPEC] = N/A $CO 75 FTP       5.33   84.3   459.8   2.29    14.6
  OTHER TESTS:        S/C SERIES

8487 68 CHRY NEWP 383 COLD TRANS   4.62   46.8   574.8   6.30    13.4
  IHC= 180 PPM HEXANE COLD STAB    3.52   40.5   582.0   3.26    13.5
  ICO[ACT] =   2.2 $CO HOT TRANS   3.91   41.5   526.3   5.91    14.7
  ICO[SPEC] = N/A $CO 75 FTP       3.85   42.1   565.3   4.61    13.8
  OTHER TESTS:        S/C SERIES

8488 66 DODG DART 225 COLD TRANS   6.77  108.4   371.0   4.08    15.8
  IHC= 500 PPM HEXANE COLD STAB    4.43   77.7   331.7   2.91    19.0
  ICO[ACT] =   7.4 $CO HOT TRANS   3.95   43.3   348.8   4.97    20.7
  ICO[SPEC] = N/A $CO 75 FTP       4.78   74.6   344.5   3.71    18.6
  OTHER TESTS:        S/C SERIES

8489 68 DODG CORO 318 COLD TRANS   3.85   49.0   510.4   6.59    14.8
  IHC= 260 PPM HEXANE COLD STAB    3.94   61.8   443.2   4.61    16.1
  ICO[ACT] =   4.7 $CO HOT TRANS   3.10   30.2   451.1   8.24    17.5
  ICO[SPEC] = N/A $CO 75 FTP       3.70   50.6   459.2   6.01    16.1
  OTHER TESTS:        S/C SERIES

8490 66 DODG POLA 383 COLD TRANS  10.16  180.0   523.1   2.20    10.6
  IHC= 630 PPM HEXANE COLD STAB    7.27   73.3   500.8   3.91    13.9
  ICO[ACT] =   6.4 $CO HOT TRANS   5.58   44.6   502.3   5.62    15.0
  ICO[SPEC] = N/A $CO 75 FTP       7.41   87.4   505.8   4.02    13.3
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                MPG
VEH                                   -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc   ECON
--------------------------------------------------------------------
8491 68 FORD MUST 200 COLD TRANS   3.31   50.2   449.9  6.20   16.5
  IHC= 250 PPM HEXANE COLD STAB    2.86   13.6   460.4  5.54   18.1
  ICO[ACT] =  0.8 %CO HOT TRANS    3.32   20.0   452.9  8.18   17.9
  ICO[SPEC] = N/A %CO 75 FTP       3.08   22.9   456.2  6.40   17.7
  OTHER TESTS:        S/C SERIES

8492 66 FORD MUST 200 COLD TRANS   6.34  100.7   315.5  2.47   18.0
  IHC= 800 PPM HEXANE COLD STAB    5.67   81.5   303.9  2.99   19.7
  ICO[ACT] =  8.0 %CO HOT TRANS    3.64   37.9   303.2  5.44   23.7
  ICO[SPEC] = N/A %CO 75 FTP       5.26   73.5   306.1  3.55   20.2
  OTHER TESTS:        S/C SERIES

8493 66 FORD STAW 289 COLD TRANS  10.02  130.2   480.3  4.62   12.4
  IHC= 520 PPM HEXANE COLD STAB    8.81   70.2   471.5  5.19   14.6
  ICO[ACT] =  7.4 %CO HOT TRANS    5.90   45.8   470.9  7.38   15.8
  ICO[SPEC] = N/A %CO 75 FTP       8.26   75.9   473.1  5.67   14.3
  OTHER TESTS:        S/C SERIES

8494 68 FORD LTD  302 COLD TRANS   6.96   86.8   473.8  4.81   14.0
  IHC= 250 PPM HEXANE COLD STAB    4.84   74.6   440.0  3.35   15.5
  ICO[ACT] =  5.5 %CO HOT TRANS    4.42   39.0   421.9  5.75   17.9
  ICO[SPEC] = N/A %CO 75 FTP       5.16   67.4   442.0  4.31   15.7
  OTHER TESTS:        S/C SERIES

8495 67 FORD LTD  390 COLD TRANS   5.46   56.0   565.3  6.06   13.2
  IHC= 850 PPM HEXANE COLD STAB    5.68   48.7   478.9  3.84   15.5
  ICO[ACT] =  5.0 %CO HOT TRANS    4.36   31.1   484.9  6.55   16.2
  ICO[SPEC] = N/A %CO 75 FTP       5.27   45.4   498.3  5.04   15.1
  OTHER TESTS:        S/C SERIES

8496 68 FORD STAW 390 COLD TRANS   4.95   55.8   625.7  6.72   12.2
  IHC= 345 PPM HEXANE COLD STAB    3.69   48.2   580.2  4.47   13.3
  ICO[ACT] =  4.0 %CO HOT TRANS    3.43   27.2   536.9  7.87   15.0
  ICO[SPEC] = N/A %CO 75 FTP       3.88   44.0   577.7  5.86   13.5
  OTHER TESTS:        S/C SERIES

8497 66 FORD MUST 200 COLD TRANS   6.79  132.8   328.1  2.06   15.9
  IHC= 635 PPM HEXANE COLD STAB    4.29   57.7   321.5  2.28   20.8
  ICO[ACT] =  6.1 %CO HOT TRANS    3.70   43.8   318.1  3.46   22.3
  ICO[SPEC] = N/A %CO 75 FTP       4.64   69.4   321.9  2.56   19.9
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

CHICAGO

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                                                             MPG
VEH                                -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC    CO    CO2   NOxc   ECON
-----------------------------------------------------------------
8498 67 FORD MUST 289 COLD TRANS  7.06  67.0  449.4  5.59  15.4
  IHC= 580 PPM HEXANE COLD STAB   7.31 129.9  397.0  2.67  14.2
  ICO[ACT] =  8.8 %CO HOT TRANS   5.54  58.8  395.1  5.26  17.6
  ICO[SPEC] = N/A %CO 75 FTP      6.78  97.6  407.2  3.97  15.2
  OTHER TESTS:        S/C SERIES

8499 68 FORD FAIR 289 COLD TRANS  5.04  71.9  497.7  3.76  14.2
  IHC= 300 PPM HEXANE COLD STAB   3.95  56.1  478.4  2.54  15.3
  ICO[ACT] =  5.8 %CO HOT TRANS   3.20  31.5  437.1  4.02  17.9
  ICO[SPEC] = N/A %CO 75 FTP      3.97  52.6  471.1  3.20  15.7
  OTHER TESTS:        S/C SERIES

8500 68 FORD STAW 390 COLD TRANS  3.90  94.1  623.3  3.24  11.3
  IHC= 200 PPM HEXANE COLD STAB   3.00  80.0  593.5  2.07  12.2
  ICO[ACT] =  5.9 %CO HOT TRANS   2.56  47.2  542.3  3.90  14.2
  ICO[SPEC] = N/A %CO 75 FTP      3.06  73.9  585.7  2.81  12.5
  OTHER TESTS:        S/C SERIES

8501 66 FORD STAW 428 COLD TRANS  5.35  62.9  834.9 10.40   9.3
  IHC= 180 PPM HEXANE COLD STAB   4.65  61.5  650.7  5.17  11.6
  ICO[ACT] =  1.8 %CO HOT TRANS   3.60  31.8  552.5  8.07  14.5
  ICO[SPEC] = N/A %CO 75 FTP      4.51  53.7  661.8  7.04  11.7
  OTHER TESTS:        S/C SERIES

8502 67 LINC CONT 462 COLD TRANS  6.31 158.6  669.0  2.24   9.5
  IHC= 250 PPM HEXANE COLD STAB   4.70  77.4  645.0  1.93  11.4
  ICO[ACT] =  2.0 %CO HOT TRANS   4.73 104.1  574.1  2.08  11.8
  ICO[SPEC] = N/A %CO 75 FTP      5.04 101.4  630.6  2.04  11.0
  OTHER TESTS:        S/C SERIES

8503 67 MERC COUG 289 COLD TRANS  4.51  63.7  477.5  3.44  15.0
  IHC= 180 PPM HEXANE COLD STAB   4.27  65.9  489.0  2.25  14.6
  ICO[ACT] =  3.6 %CO HOT TRANS   3.65  38.4  440.0  4.04  17.3
  ICO[SPEC] = N/A %CO 75 FTP      4.15  58.0  473.3  2.98  15.4
  OTHER TESTS:        S/C SERIES

8504 67 OLDS DLMN 330 COLD TRANS 14.25 207.3  451.8  1.71  10.8
  IHC= 580 PPM HEXANE COLD STAB   6.78  80.2  434.7  2.17  15.2
  ICO[ACT] =  6.2 %CO HOT TRANS   5.17  56.1  418.1  3.36  17.0
  ICO[SPEC] = N/A %CO 75 FTP      7.88  99.8  433.7  2.40  14.4
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                   MPG
VEH                                      -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC    CO      CO2    NOxc    ECON
--------------------------------------------------------------------------
8505 68 OLDS NNTY 455 COLD TRANS   5.34 119.5   594.1   4.27   11.1
  IHC= 250 PPM HEXANE COLD STAB    3.91  95.0   593.4   2.08   11.8
  ICO[ACT] =  7.0 %CO HOT TRANS    4.45  95.8   520.7   3.67   12.9
  ICO[SPEC] = N/A %CO 75 FTP       4.35 100.3   573.7   2.97   11.9
  OTHER TESTS:        S/C SERIES

8506 68 OLDS CUTL 350 COLD TRANS  24.43 247.8   381.6   1.60   10.5
  IHC= 405 PPM HEXANE COLD STAB    9.44 239.3   388.5   0.58   11.2
  ICO[ACT] = 10.0 %CO HOT TRANS    7.35 164.8   369.2   1.65   13.6
  ICO[SPEC] = N/A %CO 75 FTP      11.96 220.7   381.8   1.09   11.6
  OTHER TESTS:        S/C SERIES

8507 68 PLYM STAW 318 COLD TRANS  18.65 242.3   434.0   0.90   10.2
  IHC= 630 PPM HEXANE COLD STAB    8.20 209.7   449.1   0.79   11.0
  ICO[ACT] =  9.0 %CO HOT TRANS    5.03  62.1   512.4   3.77   14.2
  ICO[SPEC] = N/A %CO 75 FTP       9.48 176.1   463.2   1.63   11.5
  OTHER TESTS:        S/C SERIES

8508 68 PLYM VIP  318 COLD TRANS  11.97 154.9   519.3   6.44   11.1
  IHC= 325 PPM HEXANE COLD STAB    5.46 100.5   484.7   4.70   13.4
  ICO[ACT] =  7.2 %CO HOT TRANS    4.13  46.7   487.0   7.16   15.5
  ICO[SPEC] = N/A %CO 75 FTP       6.44  97.0   492.5   5.73   13.3
  OTHER TESTS:        S/C SERIES

8509 68 PLYM STAW 383 COLD TRANS  11.88 274.8   538.6   1.48    8.8
  IHC= 320 PPM HEXANE COLD STAB    7.48 179.6   531.7   1.53   10.6
  ICO[ACT] =  9.2 %CO HOT TRANS    7.53 188.5   501.8   1.76   10.8
  ICO[SPEC] = N/A %CO 75 FTP       8.40 201.6   524.9   1.58   10.2
  OTHER TESTS:        S/C SERIES

8510 66 PLYM VIP  383 COLD TRANS   8.34 199.2   450.6   1.76   11.2
  IHC= 240 PPM HEXANE COLD STAB    4.79  58.0   515.1   3.32   14.3
  ICO[ACT] =  5.4 %CO HOT TRANS    3.66  30.7   481.9   5.53   16.4
  ICO[SPEC] = N/A %CO 75 FTP       5.21  79.6   492.8   3.60   14.0
  OTHER TESTS:        S/C SERIES

8511 67 PONT LEMA 326 COLD TRANS   6.11  83.4   457.6   3.80   14.6
  IHC= 550 PPM HEXANE COLD STAB    5.42  70.5   461.2   2.71   15.1
  ICO[ACT] =  2.8 %CO HOT TRANS    4.90  74.1   407.8   3.31   16.4
  ICO[SPEC] = N/A %CO 75 FTP       5.42  74.1   445.9   3.10   15.3
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

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                                                                 MPG
VEH                                 -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2   NOxc   ECON
---------------------------------------------------------------------
8512 66 PONT BONN 389 COLD TRANS 32.43  137.0  470.3  2.68   11.3
  IHC=2000 PPM HEXANE COLD STAB  31.93  117.0  434.3  1.88   12.3
  ICO[ACT] =  6.2 $CO HOT TRANS  26.95  107.1  414.5  2.45   13.3
  ICO[SPEC] = N/A $CO 75 FTP     30.68  118.4  436.3  2.20   12.3
  OTHER TESTS:        S/C SERIES

8513 68 PONT LEMA 350 COLD TRANS  5.06   93.6  537.5  5.16   12.7
  IHC= 310 PPM HEXANE COLD STAB   3.47   54.4  521.5  4.37   14.4
  ICO[ACT] =  5.0 $CO HOT TRANS   3.01   32.2  481.5  6.46   16.4
  ICO[SPEC] = N/A $CO 75 FTP      3.67   56.4  513.9  5.10   14.4
  OTHER TESTS:        S/C SERIES

8514 67 PONT CATA 400 COLD TRANS  5.73   96.9  525.2  4.40   12.8
  IHC= 440 PPM HEXANE COLD STAB   5.00   65.4  504.1  3.45   14.3
  ICO[ACT] =  2.4 $CO HOT TRANS   3.63   38.7  465.9  5.80   16.5
  ICO[SPEC] = N/A $CO 75 FTP      4.77   64.6  498.1  4.29   14.4
  OTHER TESTS:        S/C SERIES

8515 66 PONT BONN 389 COLD TRANS 40.91  152.5  545.0  2.87    9.7
  IHC=2000 PPM HEXANE COLD STAB  32.28  135.8  497.0  1.62   10.9
  ICO[ACT] =  2.2 $CO HOT TRANS  32.43  139.3  460.7  2.02   11.3
  ICO[SPEC] = N/A $CO 75 FTP     34.10  140.2  497.0  1.98   10.8
  OTHER TESTS:        S/C SERIES

8516 66 VOLK TRAN  91 COLD TRANS  5.13   65.2  324.1  3.91   20.0
  IHC= 370 PPM HEXANE COLD STAB   4.68   30.1  351.8  2.93   21.4
  ICO[ACT] =  5.4 $CO HOT TRANS   3.62   33.7  297.5  3.53   24.5
  ICO[SPEC] = N/A $CO 75 FTP      4.48   38.3  331.3  3.30   21.9
  OTHER TESTS:        S/C SERIES

8517 68 VOLK TRAN  97 COLD TRANS  8.52  120.8  281.8  0.95   17.8
  IHC=2000 PPM HEXANE COLD STAB  10.45  125.6  288.0  0.57   17.1
  ICO[ACT] =  7.8 $CO HOT TRANS   6.70   96.4  249.5  0.69   21.0
  ICO[SPEC] = N/A $CO 75 FTP      9.03  116.6  276.2  0.68   18.2
  OTHER TESTS:        S/C SERIES
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APPENDIX E

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                 MPG
VEH                                  -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2   NOxc    ECON
--------------------------------------------------------------------
7001 76 CHEV C10  350 COLD TRANS   1.59  10.2   677.2  5.09   12.7
  IHC=  15 PPM HEXANE COLD STAB    0.72   3.7   669.7  2.95   13.1
  ICO[ACT] =  0.0 %CO HOT TRANS    1.31   5.1   606.2  5.46   14.4
  ICO[SPEC] = N/A %CO 75 FTP       1.06   5.4   653.9  4.07   13.3
  OTHER TESTS:        MODAL  HFET  SULFATE

7002 76 CHEV C10  350 COLD TRANS   4.36  86.9   651.5  5.71   11.1
  IHC= 400 PPM HEXANE COLD STAB    4.68 134.6   555.3  1.92   11.4
  ICO[ACT] =  5.9 %CO HOT TRANS    3.30  63.2   583.2  5.10   12.8
  ICO[SPEC] = N/A %CO 75 FTP       4.24 105.3   582.7  3.57   11.7
  OTHER TESTS:        MODAL  HFET  SULFATE

7003 76 CHEV C10  250 COLD TRANS   4.40  67.3   442.1  2.76   15.8
  IHC= 440 PPM HEXANE COLD STAB    4.01  43.9   453.1  1.99   16.6
  ICO[ACT] =  5.0 %CO HOT TRANS    3.32  32.4   426.7  3.09   18.2
  ICO[SPEC] = N/A %CO 75 FTP       3.90  45.6   443.6  2.45   16.8
  OTHER TESTS:        MODAL  HFET  SULFATE

7004 76 CHEV C10  350 COLD TRANS   6.22  80.9   612.6  2.88   11.7
  IHC= 430 PPM HEXANE COLD STAB    8.42 132.3   549.8  1.18   11.3
  ICO[ACT] =  7.8 %CO HOT TRANS    5.76  64.2   525.4  2.62   13.8
  ICO[SPEC] = N/A %CO 75 FTP       7.24 103.1   556.0  1.92   12.0
  OTHER TESTS:        MODAL  HFET  SULFATE

7005 76 DODG D100 318 COLD TRANS   1.75  26.0   675.3  2.54   12.3
  IHC=  60 PPM HEXANE COLD STAB    0.30   3.8   655.5  2.32   13.4
  ICO[ACT] =  0.3 %CO HOT TRANS    1.19   5.1   596.5  3.19   14.6
  ICO[SPEC]=  0.3 %CO 75 FTP       0.84   8.7   643.5  2.61   13.4
  OTHER TESTS:        MODAL  HFET  SULFATE

7006 76 DODG VAN  360 COLD TRANS   7.66 129.8   583.6  5.80   10.9
  IHC= 410 PPM HEXANE COLD STAB    9.49 197.2   507.8  2.34   10.5
  ICO[ACT] =  9.9 %CO HOT TRANS    6.23 101.9   517.8  6.28   12.7
  ICO[SPEC]=  0.3 %CO 75 FTP       8.22 157.3   526.2  4.13   11.1
  OTHER TESTS:        MODAL  HFET  SULFATE

7007 76 FORD F100 300 COLD TRANS   1.19   4.6   613.8  3.12   14.2
  IHC=  20 PPM HEXANE COLD STAB    0.30   0.3   561.6  3.60   15.8
  ICO[ACT] =  0.1 %CO HOT TRANS    1.05   1.0   542.1  3.15   16.2
  ICO[SPEC] = N/A %CO 75 FTP       0.69   1.4   567.0  3.38   15.5
  OTHER TESTS:        MODAL  HFET  SULFATE
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LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                  MPG
VEH                                   -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2    NOxc    ECON
-----------------------------------------------------------------------
7008 76 FORD F100 300 COLD TRANS  6.36   38.9   548.5   4.78    14.1
  IHC= 180 PPM HEXANE COLD STAB   2.64   33.6   545.4   3.62    14.6
  ICO[ACT] =  0.5 %CO HOT TRANS   2.31   22.4   481.0   4.85    17.0
  ICO[SPEC] = N/A %CO 75 FTP      3.31   31.6   528.5   4.20    15.1
  OTHER TESTS:        MODAL  HFET  SULFATE

7009 76 FORD E100 300 COLD TRANS  1.18    5.7   605.1   2.40    14.4
  IHC=  65 PPM HEXANE COLD STAB   0.87    2.3   601.9   1.37    14.6
  ICO[ACT] =  0.0 %CO HOT TRANS   1.18    4.5   541.5   1.93    16.1
  ICO[SPEC] = N/A %CO 75 FTP      1.02    3.6   586.1   1.74    14.9
  OTHER TESTS:        MODAL  HFET  SULFATE

7010 76 CHEV LUV  110 COLD TRANS  1.63   17.1   411.8   3.13    20.0
  IHC=  20 PPM HEXANE COLD STAB   1.33   12.0   429.8   1.81    19.6
  ICO[ACT] =  1.1 %CO HOT TRANS   1.23   11.2   369.6   2.62    22.7
  ICO[SPEC] = N/A %CO 75 FTP      1.36   12.9   409.7   2.30    20.4
  OTHER TESTS:        MODAL  HFET  SULFATE

7011 75 CHEV C10  350 COLD TRANS  4.41   45.3   666.4   5.88    11.8
  IHC= 285 PPM HEXANE COLD STAB   5.04   68.2   630.6   2.57    11.8
  ICO[ACT] =  2.0 %CO HOT TRANS   3.66   29.7   608.1   5.83    13.3
  ICO[SPEC] = N/A %CO 75 FTP      4.53   53.0   631.8   4.14    12.2
  OTHER TESTS:

7012 75 CHEV C10  350 COLD TRANS  2.22   34.5   640.0   2.46    12.7
  IHC= 130 PPM HEXANE COLD STAB   1.75   35.3   624.7   0.98    12.9
  ICO[ACT] =  1.3 %CO HOT TRANS   1.42   17.3   573.3   2.38    14.7
  ICO[SPEC] = N/A %CO 75 FTP      1.75   30.2   613.8   1.67    13.3
  OTHER TESTS:        SULFATE

7013 75 CHEV C10  350 COLD TRANS  2.66   34.6   688.0   4.64    11.8
  IHC=  30 PPM HEXANE COLD STAB   0.74    0.1   710.4   2.56    12.4
  ICO[ACT] =  0.1 %CO HOT TRANS   1.10    1.8   645.9   5.11    13.6
  ICO[SPEC] = N/A %CO 75 FTP      1.23    7.7   688.2   3.68    12.6
  OTHER TESTS:        SULFATE

7014 75 DODG VAN  318 COLD TRANS  3.40   48.7   898.4   1.77     9.0
  IHC=  85 PPM HEXANE COLD STAB   0.91   13.2   776.9   1.78    11.1
  ICO[ACT] =  2.0 %CO HOT TRANS   1.56   24.2   745.9   1.72    11.3
  ICO[SPEC]=  0.3 %CO 75 FTP      1.60   23.5   793.4   1.76    10.6
  OTHER TESTS:        SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                    MPG
VEH                                    -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2    NOxc     ECON
-----------------------------------------------------------------------
7015 75 FORD F100 300 COLD TRANS   2.13    7.8   695.2   3.48    12.4
  IHC=  30 PPM HEXANE COLD STAB    0.32    0.7   687.6   1.94    12.9
  ICO[ACT] =  0.1 %CO HOT TRANS    0.92    2.0   600.9   2.77    14.6
  ICO[SPEC] = N/A %CO 75 FTP       0.86    2.5   665.5   2.48    13.2
  OTHER TESTS:        SULFATE

7016 75 FORD F100 360 COLD TRANS   1.67   47.7   748.1   2.09    10.7
  IHC=  40 PPM HEXANE COLD STAB    0.94   42.6   772.0   2.32    10.5
  ICO[ACT] =  1.5 %CO HOT TRANS    1.42   22.8   667.0   4.99    12.5
  ICO[SPEC] = N/A %CO 75 FTP       1.22   38.2   738.4   3.00    11.1
  OTHER TESTS:        SULFATE

7017 75 FORD F100 360 COLD TRANS   2.10   16.1   801.8   2.34    10.6
  IHC=  80 PPM HEXANE COLD STAB    1.84    6.7   788.2   1.28    11.0
  ICO[ACT] =  0.1 %CO HOT TRANS    2.37    7.6   690.8   1.82    12.5
  ICO[SPEC] = N/A %CO 75 FTP       2.04    8.9   764.4   1.64    11.3
  OTHER TESTS:        SULFATE

6018 76 AMC  STAW 258 COLD TRANS   1.59   40.8   564.2   4.18    14.0
  IHC= 140 PPM HEXANE COLD STAB    1.33   37.7   542.3   2.93    14.7
  ICO[ACT] =  3.8 %CO HOT TRANS    1.36   21.5   504.7   4.09    16.4
  ICO[SPEC]=  1.0 %CO 75 FTP       1.39   33.9   536.5   3.50    14.9
  OTHER TESTS:        MODAL  HFET  SULFATE

6019 76 BUIC REGA 350 COLD TRANS   1.13   10.9   728.1   2.92    11.9
  IHC=  20 PPM HEXANE COLD STAB    0.92    0.9   733.6   1.32    12.0
  ICO[ACT] =  0.0 %CO HOT TRANS    0.87    2.3   635.2   2.56    13.8
  ICO[SPEC] = N/A %CO 75 FTP       0.95    3.3   705.7   1.99    12.4
  OTHER TESTS:        MODAL  HFET  SULFATE

6020 76 BUIC RIVI 455 COLD TRANS   2.26    4.2   787.6   2.81    11.1
  IHC=  10 PPM HEXANE COLD STAB    0.50    0.1   821.9   1.47    10.8
  ICO[ACT] =  0.1 %CO HOT TRANS    0.95    1.4   697.3   2.75    12.6
  ICO[SPEC] = N/A %CO 75 FTP       0.98    1.3   780.8   2.10    11.3
  OTHER TESTS:        MODAL  HFET  SULFATE

6021 76 CADI DEVI 500 COLD TRANS   3.92   19.1   963.1   3.11     8.8
  IHC= 160 PPM HEXANE COLD STAB    2.87    2.5   863.1   2.53    10.1
  ICO[ACT] =  0.2 %CO HOT TRANS    2.33    3.7   779.3   2.98    11.2
  ICO[SPEC] = N/A %CO 75 FTP       2.94    6.2   860.8   2.77    10.1
  OTHER TESTS:        MODAL  HFET
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                   MPG
VEH                                -----GRAMS PER MILE-----       FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc   ECON
-------------------------------------------------------------------------
6022 76 CHEV IMPA 350 COLD TRANS   1.25   14.4   781.5   4.22   11.0
  IHC=  20 PPM HEXANE COLD STAB    0.30    0.7   791.3   1.88   11.2
  ICO[ACT] =  0.0 %CO HOT TRANS    0.59    3.4   691.9   2.96   12.7
  ICO[SPEC] = N/A %CO 75 FTP       0.58    4.2   762.2   2.66   11.5
  OTHER TESTS:        MODAL  HFET

6023 76 CHEV IMPA 350 COLD TRANS   1.37   26.6   752.6   3.75   11.1
  IHC=  20 PPM HEXANE COLD STAB    0.13    2.4   771.1   1.83   11.4
  ICO[ACT] =  0.1 %CO HOT TRANS    0.64    3.9   679.0   3.19   12.9
  ICO[SPEC] = N/A %CO 75 FTP       0.52    7.7   742.1   2.60   11.7
  OTHER TESTS:        MODAL  HFET  SULFATE

6024 76 CHEV MONZ 140 COLD TRANS   2.83   71.7   479.4   1.57   14.8
  IHC= 280 PPM HEXANE COLD STAB    1.56   45.3   444.2   0.73   17.1
  ICO[ACT] =  7.7 %CO HOT TRANS    1.39   30.0   425.3   1.57   18.6
  ICO[SPEC] = N/A %CO 75 FTP       1.78   46.6   446.3   1.13   16.9
  OTHER TESTS:        MODAL  HFET  SULFATE

6025 76 CHEV IMPA 400 COLD TRANS   2.62   34.7   680.2   7.47   11.9
  IHC= 310 PPM HEXANE COLD STAB    3.38   61.5   607.9   4.44   12.4
  ICO[ACT] =  5.4 %CO HOT TRANS    2.26   30.4   611.9   7.44   13.3
  ICO[SPEC] = N/A %CO 75 FTP       2.92   47.5   623.9   5.88   12.5
  OTHER TESTS:        MODAL  HFET  SULFATE

6026 76 CHEV MONT 305 COLD TRANS   4.62   60.7   624.7   2.88   12.1
  IHC=  15 PPM HEXANE COLD STAB    0.22    1.0   633.4   1.82   14.0
  ICO[ACT] =  0.1 %CO HOT TRANS    0.73    4.9   558.9   2.41   15.6
  ICO[SPEC] = N/A %CO 75 FTP       1.27   14.3   611.3   2.20   13.9
  OTHER TESTS:        MODAL  HFET  SULFATE

6027 76 CHEV NOVA 250 COLD TRANS   1.43   20.7   593.6   4.97   14.1
  IHC= 180 PPM HEXANE COLD STAB    0.96   16.1   531.2   3.55   15.9
  ICO[ACT] =  1.9 %CO HOT TRANS    0.69    4.3   517.0   4.04   16.9
  ICO[SPEC] = N/A %CO 75 FTP       0.99   13.8   540.2   3.98   15.7
  OTHER TESTS:        MODAL  HFET  SULFATE

6028 76 CHEV CHET  85 COLD TRANS   4.64   36.7   292.3   3.01   24.3
  IHC= 800 PPM HEXANE COLD STAB    2.69   29.4   290.7   2.87   25.7
  ICO[ACT] =  8.2 %CO HOT TRANS    2.03   18.7   269.7   3.34   29.1
  ICO[SPEC] = N/A %CO 75 FTP       2.91   27.9   285.3   3.03   26.2
  OTHER TESTS:        MODAL  HFET  SULFATE
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

VEH NO. YR MAKE MODL CID	TEST TYPE	-----GRAMS PER MILE-----				MPG FUEL
		HC	CO	CO_2	NOx_c	ECON
6029 76 DODG STAW 318	COLD TRANS	2.71	32.3	633.7	3.40	12.8
IHC= 170 PPM HEXANE	COLD STAB	2.43	12.0	588.3	2.19	14.4
ICO[ACT] = 0.5 %CO	HOT TRANS	2.27	5.5	560.2	3.19	15.4
ICO[SPEC]= 0.3 %CO	75 FTP	2.44	14.4	590.0	2.71	14.3
OTHER TESTS:	MODAL HFET SULFATE					
6030 76 DODG ASPE 225	COLD TRANS	1.80	30.0	529.4	4.61	15.2
IHC= 220 PPM HEXANE	COLD STAB	1.13	12.9	470.8	2.57	17.9
ICO[ACT] = 3.0 %CO	HOT TRANS	1.42	13.7	447.8	3.24	18.7
ICO[SPEC]= 0.3 %CO	75 FTP	1.35	16.6	476.6	3.17	17.5
OTHER TESTS:	MODAL HFET SULFATE					
6031 76 FORD PINT 140	COLD TRANS	1.08	20.3	503.6	1.89	16.5
IHC= 18 PPM HEXANE	COLD STAB	0.30	0.5	465.2	0.86	19.0
ICO[ACT] = 0.0 %CO	HOT TRANS	0.35	0.9	410.6	1.65	21.5
ICO[SPEC] = N/A %CO	75 FTP	0.47	4.7	458.2	1.29	19.0
OTHER TESTS:	MODAL HFET					
6032 76 FORD LTD 400	COLD TRANS	1.60	16.5	824.3	1.75	10.4
IHC= 440 PPM HEXANE	COLD STAB	0.61	0.8	802.5	1.86	11.0
ICO[ACT] = 5.6 %CO	HOT TRANS	0.85	7.9	714.9	2.16	12.2
ICO[SPEC] = N/A %CO	75 FTP	0.88	6.0	783.1	1.92	11.2
OTHER TESTS:	MODAL HFET SULFATE					
6033 76 FORD ELIT 351	COLD TRANS	1.83	34.9	794.2	2.84	10.4
IHC= 180 PPM HEXANE	COLD STAB	0.90	37.6	852.0	1.57	9.7
ICO[ACT] = 7.7 %CO	HOT TRANS	1.13	19.3	730.1	2.83	11.6
ICO[SPEC] = N/A %CO	75 FTP	1.15	32.1	806.8	2.18	10.3
OTHER TESTS:	MODAL HFET SULFATE					
6034 76 FORD GRAN 250	COLD TRANS	1.00	5.2	688.0	5.73	12.7
IHC= 23 PPM HEXANE	COLD STAB	0.46	0.0	560.3	5.22	15.8
ICO[ACT] = 0.0 %CO	HOT TRANS	1.05	0.7	546.9	4.27	16.1
ICO[SPEC] = N/A %CO	75 FTP	0.73	1.3	582.9	5.07	15.1
OTHER TESTS:	MODAL HFET SULFATE					
6035 76 FORD GRAN 302	COLD TRANS	1.61	11.0	659.7	3.34	13.0
IHC= 30 PPM HEXANE	COLD STAB	0.78	0.5	620.0	2.10	14.2
ICO[ACT] = 0.1 %CO	HOT TRANS	1.00	1.6	571.2	2.60	15.4
ICO[SPEC] = N/A %CO	75 FTP	1.01	3.0	614.8	2.49	14.3
OTHER TESTS:	MODAL HFET SULFATE					

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                 MPG
VEH                                 -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO    CO2    NOxc    ECON
--------------------------------------------------------------------
6036 76 FORD GRAN 351 COLD TRANS 11.83   54.0  667.7   5.46   11.2
  IHC= 270 PPM HEXANE COLD STAB   5.03    0.4  685.1   3.45   12.6
  ICO[ACT] =  0.0 %CO HOT TRANS   5.11    1.8  615.3   4.81   14.0
  ICO[SPEC] = N/A %CO 75 FTP      6.45   11.8  662.5   4.24   12.7
  OTHER TESTS:        MODAL  HFET  SULFATE

6037 76 MERC MARQ 400 COLD TRANS  1.34    5.0  787.9   2.28   11.1
  IHC= 140 PPM HEXANE COLD STAB   0.51    0.6  748.3   2.14   11.8
  ICO[ACT] =  1.0 %CO HOT TRANS   1.51    3.3  674.6   2.75   13.0
  ICO[SPEC] = N/A %CO 75 FTP      0.95    2.3  736.3   2.33   11.9
  OTHER TESTS:        MODAL  HFET  SULFATE

6038 76 MERC MONA 250 COLD TRANS  1.57    4.9  630.2   3.00   13.8
  IHC= 120 PPM HEXANE COLD STAB   1.20    2.0  539.3   3.23   16.2
  ICO[ACT] =  0.0 %CO HOT TRANS   1.84    5.1  539.6   3.03   16.0
  ICO[SPEC] = N/A %CO 75 FTP      1.45    3.4  558.1   3.13   15.6
  OTHER TESTS:        MODAL  HFET  SULFATE

6039 76 OLDS OMEG 260 COLD TRANS  1.75   22.9  583.0   3.40   14.2
  IHC= 190 PPM HEXANE COLD STAB   0.89    2.7  542.5   1.81   16.1
  ICO[ACT] =  0.0 %CO HOT TRANS   1.27    9.7  496.1   3.04   17.2
  ICO[SPEC] = N/A %CO 75 FTP      1.17    8.7  538.2   2.48   16.0
  OTHER TESTS:        MODAL  HFET  SULFATE

6040 76 OLDS CUTL 350 COLD TRANS  3.24   40.7  700.0   1.38   11.5
  IHC= 360 PPM HEXANE COLD STAB   2.61   50.4  620.1   0.92   12.5
  ICO[ACT] =  7.1 %CO HOT TRANS   1.96   26.9  604.3   1.32   13.6
  ICO[SPEC] = N/A %CO 75 FTP      2.56   42.0  632.2   1.12   12.6
  OTHER TESTS:        MODAL  HFET  SULFATE

6041 76 OLDS NNTY 455 COLD TRANS  2.83   38.7  754.9   2.81   10.8
  IHC= 220 PPM HEXANE COLD STAB   2.36   46.7  729.3   1.77   11.0
  ICO[ACT] =  4.4 %CO HOT TRANS   2.11   26.4  653.7   2.75   12.6
  ICO[SPEC] = N/A %CO 75 FTP      2.39   39.5  714.0   2.25   11.3
  OTHER TESTS:        MODAL  HFET  SULFATE

6042 76 PLYM STAW 225 COLD TRANS  3.99   89.4  567.6   3.00   12.3
  IHC= 500 PPM HEXANE COLD STAB   3.57   70.7  471.5   1.29   14.9
  ICO[ACT] =  9.4 %CO HOT TRANS   3.31   71.9  483.2   1.76   14.6
  ICO[SPEC]=  0.3 %CO 75 FTP      3.59   74.8  494.5   1.77   14.2
  OTHER TESTS:        MODAL  HFET  SULFATE
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                  MPG
VEH                                   -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2    NOxc   ECON
----------------------------------------------------------------------
6043 76 PLYM STAW 318 COLD TRANS   5.12   69.7   608.4   2.27   12.1
  IHC= 560 PPM HEXANE COLD STAB    5.30   72.5   534.5   1.49   13.3
  ICO[ACT] =  5.8 %CO HOT TRANS    3.27   31.1   550.6   2.49   14.6
  ICO[SPEC]=  0.3 %CO 75 FTP       4.71   60.6   554.1   1.92   13.4
  OTHER TESTS:        MODAL  HFET  SULFATE

6044 76 PONT LEMA 350 COLD TRANS   1.58   20.7   700.6   3.35   12.0
  IHC=  20 PPM HEXANE COLD STAB    0.20    0.5   695.4   2.91   12.7
  ICO[ACT] =  0.1 %CO HOT TRANS    0.39    2.6   614.3   3.67   14.3
  ICO[SPEC] = N/A %CO 75 FTP       0.53    5.2   674.4   3.21   13.0
  OTHER TESTS:        MODAL  HFET  SULFATE

6045 76 PONT GRNP 400 COLD TRANS   2.98   43.2   647.0   7.41   12.3
  IHC= 760 PPM HEXANE COLD STAB    3.05   67.4   590.1   4.09   12.6
  ICO[ACT] =  9.4 %CO HOT TRANS    2.16   32.9   565.3   7.74   14.2
  ICO[SPEC] = N/A %CO 75 FTP       2.79   53.0   595.0   5.77   12.9
  OTHER TESTS:        MODAL  HFET  SULFATE

6046 76 DATS B210  85 COLD TRANS   1.85   18.7   330.0   3.94   24.3
  IHC=  80 PPM HEXANE COLD STAB    1.41    9.4   335.3   1.89   25.0
  ICO[ACT] =  0.4 %CO HOT TRANS    1.54   10.8   290.1   3.36   28.4
  ICO[SPEC]=  2.0 %CO 75 FTP       1.54   11.7   321.9   2.71   25.7
  OTHER TESTS:        MODAL  HFET

6047 76 DATS STAW 119 COLD TRANS   2.26   28.9   413.8   4.07   19.0
  IHC=  50 PPM HEXANE COLD STAB    2.04   15.8   406.3   2.56   20.3
  ICO[ACT] =  1.6 %CO HOT TRANS    1.64   18.0   361.3   3.86   22.5
  ICO[SPEC]=  2.0 %CO 75 FTP       1.98   19.1   395.5   3.23   20.6
  OTHER TESTS:        MODAL  HFET

6048 76 TOYO CORO  97 COLD TRANS   1.73   21.4   399.8   2.64   20.2
  IHC=  20 PPM HEXANE COLD STAB    0.50   15.1   423.4   1.17   19.8
  ICO[ACT] =  0.5 %CO HOT TRANS    0.87   12.3   352.3   2.38   23.7
  ICO[SPEC] = N/A %CO 75 FTP       0.85   15.6   399.2   1.80   20.8
  OTHER TESTS:        MODAL  HFET

6049 76 TOYO CELI 133 COLD TRANS   2.03   28.2   519.9   4.01   15.6
  IHC= 100 PPM HEXANE COLD STAB    0.78   18.1   499.9   1.86   16.7
  ICO[ACT] =  1.8 %CO HOT TRANS    1.27   12.3   461.8   3.89   18.3
  ICO[SPEC] = N/A %CO 75 FTP       1.17   18.6   493.6   2.86   16.9
  OTHER TESTS:        MODAL  HFET
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                    MPG
                                        -----GRAMS PER MILE-----   FUEL
VEH
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2     NOxc   ECON
--------------------------------------------------------------------------
6050 76 VOLK STAW  97 COLD TRANS   2.46   32.1   423.1   3.47   18.4
  IHC= 350 PPM HEXANE COLD STAB    2.15   51.7   341.4   1.41   20.7
  ICO[ACT] =  8.6 $CO HOT TRANS    2.97   32.2   316.1   2.17   23.6
  ICO[SPEC]=  1.0 $CO 75 FTP       2.44   42.3   351.3   2.04   20.9
  OTHER TESTS:        MODAL  HFET

6051 76 VOLK RABB  97 COLD TRANS   2.44   61.9   468.0   2.31   15.5
  IHC=  30 PPM HEXANE COLD STAB    0.16    0.4   460.0   1.89   19.2
  ICO[ACT] =  0.0 $CO HOT TRANS    0.64    2.6   403.4   2.95   21.7
  ICO[SPEC]=  1.5 $CO 75 FTP       0.76   13.7   446.2   2.27   18.9
  OTHER TESTS:        MODAL  HFET  SULFATE

5052 75 AMC  STAW 258 COLD TRANS   1.29   19.6   630.2   2.13   13.3
  IHC=  75 PPM HEXANE COLD STAB    0.82   10.0   633.9   2.04   13.6
  ICO[ACT] =  0.2 $CO HOT TRANS    0.93    7.1   560.8   1.98   15.4
  ICO[SPEC]=  1.0 $CO 75 FTP       0.95   11.2   613.2   2.04   14.0
  OTHER TESTS:

5053 75 BUIC CNTY 350 COLD TRANS   1.58   30.5   727.2   6.34   11.4
  IHC=  30 PPM HEXANE COLD STAB    0.21    0.5   749.0   4.24   11.8
  ICO[ACT] =  0.0 $CO HOT TRANS    0.49    4.0   640.2   5.87   13.7
  ICO[SPEC] = N/A $CO 75 FTP       0.57    7.6   714.8   5.12   12.2
  OTHER TESTS:        SULFATE

5054 75 BUIC STAW 455 COLD TRANS   5.19  125.8   760.4   2.16    9.1
  IHC= 700 PPM HEXANE COLD STAB    7.38  211.8   718.8   0.93    8.3
  ICO[ACT] =  7.4 $CO HOT TRANS    6.17  138.8   663.2   2.12    9.9
  ICO[SPEC] = N/A $CO 75 FTP       6.60  174.2   712.2   1.51    8.8
  OTHER TESTS:        SULFATE

5055 75 CADI DEVI 500 COLD TRANS   3.69   47.5   825.2   3.01    9.7
  IHC= 170 PPM HEXANE COLD STAB    2.43   42.9   743.0   2.05   10.8
  ICO[ACT] =  1.1 $CO HOT TRANS    2.02   25.4   712.0   2.73   11.7
  ICO[SPEC] = N/A $CO 75 FTP       2.58   39.1   751.4   2.43   10.8
  OTHER TESTS:        SULFATE

5056 75 CHEV VEGA 140 COLD TRANS   3.38   48.0   350.1   4.42   20.3
  IHC= 215 PPM HEXANE COLD STAB    1.59   32.5   380.2   3.34   20.3
  ICO[ACT] =  5.0 $CO HOT TRANS    2.36   21.9   324.6   4.79   24.2
  ICO[SPEC] = N/A $CO 75 FTP       2.17   32.8   358.8   3.96   21.3
  OTHER TESTS:        SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                   MPG
VEH                                  -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc     ECON
----------------------------------------------------------------------
5057 75 CHEV MONT 350 COLD TRANS   1.75   47.7   680.8   2.85    11.7
  IHC= 165 PPM HEXANE COLD STAB    1.95   74.6   633.8   1.13    11.7
  ICO[ACT] =  4.4 %CO HOT TRANS    1.01   28.2   598.4   2.51    13.7
  ICO[SPEC] = N/A %CO 75 FTP       1.66   56.4   633.8   1.86    12.2
  OTHER TESTS:        SULFATE

5058 75 CHEV CAMA 350 COLD TRANS   2.49   49.2   635.8   3.45    12.3
  IHC= 250 PPM HEXANE COLD STAB    2.57   59.7   600.2   1.21    12.6
  ICO[ACT] =  3.8 %CO HOT TRANS    1.93   27.1   561.4   3.14    14.5
  ICO[SPEC] = N/A %CO 75 FTP       2.38   48.6   596.9   2.20    13.0
  OTHER TESTS:        SULFATE

5059 75 CHEV CAPR 454 COLD TRANS   1.29   11.2   823.4   2.70    10.5
  IHC=  30 PPM HEXANE COLD STAB    0.59    0.1   830.5   1.45    10.7
  ICO[ACT] =  0.1 %CO HOT TRANS    0.91    2.7   726.6   2.25    12.1
  ICO[SPEC] = N/A %CO 75 FTP       0.82    3.1   800.7   1.93    11.0
  OTHER TESTS:        SULFATE

5060 75 CHEV NOVA 250 COLD TRANS   2.35   30.7   578.3   2.74    14.0
  IHC= 105 PPM HEXANE COLD STAB    0.71   17.1   623.0   1.38    13.6
  ICO[ACT] =  2.0 %CO HOT TRANS    0.70    7.4   540.1   1.76    16.0
  ICO[SPEC] = N/A %CO 75 FTP       1.04   17.3   591.2   1.77    14.3
  OTHER TESTS:        SULFATE

5061 75 CHRY CORD 318 COLD TRANS   2.90   42.5   705.3   3.92    11.4
  IHC= 240 PPM HEXANE COLD STAB    1.51   39.5   717.7   1.75    11.3
  ICO[ACT] =  5.6 %CO HOT TRANS    1.43   18.4   636.1   4.39    13.3
  ICO[SPEC]=  0.3 %CO 75 FTP       1.77   34.4   692.9   2.92    11.8
  OTHER TESTS:        SULFATE

5062 75 DODG CHAR 360 COLD TRANS   2.74   41.7   718.0   4.67    11.2
  IHC= 100 PPM HEXANE COLD STAB    1.27   34.7   802.0   1.88    10.3
  ICO[ACT] =  2.4 %CO HOT TRANS    1.25   20.7   645.3   5.25    13.0
  ICO[SPEC] = N/A %CO 75 FTP       1.57   32.3   742.0   3.38    11.1
  OTHER TESTS:        SULFATE

5063 75 FORD PINT 140 COLD TRANS   3.17   32.2   474.3   1.63    16.6
  IHC=  40 PPM HEXANE COLD STAB    2.36   24.8   483.2   1.08    16.8
  ICO[ACT] =  1.6 %CO HOT TRANS    1.81   14.8   422.6   1.55    19.7
  ICO[SPEC] = N/A %CO 75 FTP       2.38   23.6   464.9   1.32    17.4
  OTHER TESTS:        SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

VEH NO.	YR	MAKE	MODL	CID	TEST	TYPE	-----GRAMS PER MILE----- HC	CO	CO_2	NOx_c	MPG FUEL ECON
5064	75	FORD	LTD	351	COLD	TRANS	1.47	11.4	813.5	4.77	10.6
IHC= 65 PPM HEXANE					COLD	STAB	1.16	20.8	831.2	2.12	10.2
ICO[ACT] = 0.9 $CO					HOT	TRANS	1.39	11.6	720.1	4.53	12.0
ICO[SPEC] = N/A $CO					75	FTP	1.29	16.3	797.2	3.32	10.7
OTHER TESTS:					SULFATE						
5065	75	FORD	LTD	400	COLD	TRANS	1.37	27.1	1041.8	2.57	8.2
IHC= 25 PPM HEXANE					COLD	STAB	0.25	5.0	994.2	1.70	8.8
ICO[ACT] = 0.1 $CO					HOT	TRANS	0.48	8.4	865.3	2.24	10.1
ICO[SPEC] = N/A $CO					75	FTP	0.54	10.5	968.8	2.02	9.0
OTHER TESTS:					SULFATE						
5066	75	FORD	GRAN	250	COLD	TRANS	2.62	79.1	665.4	1.74	11.1
IHC= 140 PPM HEXANE					COLD	STAB	0.99	33.2	623.8	1.33	13.1
ICO[ACT] = 2.1 $CO					HOT	TRANS	1.21	29.9	613.5	1.69	13.4
ICO[SPEC] = N/A $CO					75	FTP	1.39	41.7	629.6	1.51	12.7
OTHER TESTS:					SULFATE						
5067	75	FORD	GRAN	302	COLD	TRANS	2.89	29.7	629.7	3.43	12.9
IHC= 140 PPM HEXANE					COLD	STAB	2.28	2.8	688.8	2.34	12.7
ICO[ACT] = 0.1 $CO					HOT	TRANS	2.06	5.5	588.9	3.79	14.7
ICO[SPEC] = N/A $CO					75	FTP	2.34	9.1	649.4	2.96	13.2
OTHER TESTS:					SULFATE						
5068	75	MERC	MARQ	400	COLD	TRANS	1.42	14.8	975.0	2.71	8.9
IHC= 50 PPM HEXANE					COLD	STAB	0.99	8.1	956.3	1.51	9.1
ICO[ACT] = 0.2 $CO					HOT	TRANS	1.41	8.4	816.8	2.49	10.6
ICO[SPEC] = N/A $CO					75	FTP	1.19	9.6	922.1	2.03	9.4
OTHER TESTS:					SULFATE						
5069	75	OLDS	STAW	350	COLD	TRANS	2.87	32.5	697.4	2.03	11.7
IHC= 750 PPM HEXANE					COLD	STAB	1.93	20.2	613.6	1.24	13.6
ICO[ACT] = 2.4 $CO					HOT	TRANS	1.71	14.5	597.0	1.89	14.2
ICO[SPEC] = N/A $CO					75	FTP	2.07	21.2	626.3	1.58	13.3
OTHER TESTS:					SULFATE						
5070	75	OLDS	NNTY	455	COLD	TRANS	3.72	44.8	710.5	2.90	11.2
IHC= 300 PPM HEXANE					COLD	STAB	3.70	67.3	642.6	1.82	11.7
ICO[ACT] = 5.8 $CO					HOT	TRANS	2.81	33.4	622.5	2.83	13.0
ICO[SPEC] = N/A $CO					75	FTP	3.46	53.4	651.1	2.32	11.9
OTHER TESTS:											

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                        MPG
VEH                                      -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO      CO2    NOxc    ECON
-------------------------------------------------------------------------
5071 75 PLYM VALI 225 COLD TRANS   3.27   85.8   468.1   5.53   14.5
  IHC= 160 PPM HEXANE COLD STAB    1.81   46.3   438.3   4.75   17.2
  ICO[ACT] =  5.1 %CO HOT TRANS    1.47   18.4   428.4   7.28   19.2
  ICO[SPEC]=  0.3 %CO 75 FTP       2.02   46.8   441.7   5.60   17.0
  OTHER TESTS:        SULFATE

5072 75 PLYM FURY 318 COLD TRANS   3.53   79.5   627.8   3.07   11.6
  IHC= 260 PPM HEXANE COLD STAB    2.14   64.5   618.3   1.48   12.2
  ICO[ACT] =  6.6 %CO HOT TRANS    1.55   29.8   568.5   3.40   14.3
  ICO[SPEC]=  0.3 %CO 75 FTP       2.27   58.1   606.6   2.33   12.6
  OTHER TESTS:        SULFATE

5073 75 PONT CATA 400 COLD TRANS   3.54   57.7   692.5   4.78   11.2
  IHC= 380 PPM HEXANE COLD STAB    2.92   69.1   658.1   2.69   11.4
  ICO[ACT] =  4.2 %CO HOT TRANS    2.18   28.6   623.6   4.78   13.1
  ICO[SPEC] = N/A %CO 75 FTP       2.84   55.7   655.8   3.69   11.8
  OTHER TESTS:        SULFATE

5074 75 PONT LEMA 350 COLD TRANS   1.81   38.2   728.2   3.28   11.2
  IHC=  25 PPM HEXANE COLD STAB    0.23    2.1   746.9   2.83   11.8
  ICO[ACT] =  0.1 %CO HOT TRANS    0.42    2.1   640.9   3.62   13.7
  ICO[SPEC] = N/A %CO 75 FTP       0.61    9.6   714.1   3.14   12.1
  OTHER TESTS:        SULFATE

5075 75 DATS B210  85 COLD TRANS   1.84   24.3   353.3   3.25   22.3
  IHC=  70 PPM HEXANE COLD STAB    1.39   14.2   371.8   1.40   22.3
  ICO[ACT] =  1.5 %CO HOT TRANS    1.42   13.3   318.6   3.05   25.8
  ICO[SPEC]=  2.0 %CO 75 FTP       1.49   16.0   353.5   2.23   23.1
  OTHER TESTS:

5076 75 TOYO STAW 133 COLD TRANS   2.34   30.2   473.8   5.53   16.8
  IHC= 100 PPM HEXANE COLD STAB    1.28   22.8   422.3   1.77   19.2
  ICO[ACT] =  2.8 %CO HOT TRANS    1.40   17.4   375.5   4.68   21.8
  ICO[SPEC] = N/A %CO 75 FTP       1.53   22.9   420.2   3.34   19.3
  OTHER TESTS:

5077 75 TOYO STAW  97 COLD TRANS   2.28   16.0   376.7   3.41   21.7
  IHC=  30 PPM HEXANE COLD STAB    1.11   11.4   413.1   1.62   20.4
  ICO[ACT] =  0.4 %CO HOT TRANS    1.68   12.2   341.6   3.10   24.2
  ICO[SPEC] = N/A %CO 75 FTP       1.51   12.6   386.1   2.39   21.6
  OTHER TESTS:
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

HOUSTON

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                                                            MPG
VEH                              -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2  NOxc  ECON
---------------------------------------------------------------
5078 75 VOLK SEDA  97 COLD TRANS  3.20  31.6  357.3  1.93  21.3
  IHC= 165 PPM HEXANE COLD STAB   2.20  20.7  377.1  1.44  21.3
  ICO[ACT] =  2.5 $CO HOT TRANS   1.89  16.6  333.7  1.61  24.3
  ICO[SPEC]=  0.2 $CO 75 FTP      2.32  21.9  361.2  1.59  22.0
  OTHER TESTS:

5079 75 VOLK RABB  90 COLD TRANS  1.91  48.6  359.7  1.58  20.1
  IHC= 165 PPM HEXANE COLD STAB   1.24  35.3  323.9  0.83  23.2
  ICO[ACT] =  5.4 $CO HOT TRANS   1.31  27.2  303.1  1.08  25.4
  ICO[SPEC]=  0.5 $CO 75 FTP      1.40  35.8  325.6  1.05  23.0
  OTHER TESTS:        SULFATE

4080 74 AMC  MATA 304 COLD TRANS  5.51  57.3  656.1  5.53  11.6
  IHC= 230 PPM HEXANE COLD STAB   4.25  33.2  644.3  2.71  12.5
  ICO[ACT] =  2.0 $CO HOT TRANS   3.98  26.9  583.0  5.67  13.9
  ICO[SPEC]=  0.8 $CO 75 FTP      4.44  36.4  630.0  4.10  12.7
  OTHER TESTS:

4081 74 BUIC ELEC 455 COLD TRANS  4.77  45.7  869.8  8.77   9.3
  IHC=  80 PPM HEXANE COLD STAB   3.84  50.3  781.1  4.87  10.2
  ICO[ACT] =  2.0 $CO HOT TRANS   3.37  28.6  711.2  8.13  11.6
  ICO[SPEC]=  0.3 $CO 75 FTP      3.90  43.4  780.3  6.56  10.3
  OTHER TESTS:

4082 74 CADI DEVI 472 COLD TRANS  3.20  64.6 1098.1  2.14   7.3
  IHC=  60 PPM HEXANE COLD STAB   1.32  13.1  931.5  1.47   9.3
  ICO[ACT] =  0.1 $CO HOT TRANS   1.56  17.8  881.1  1.97   9.7
  ICO[SPEC]=  0.4 $CO 75 FTP      1.77  25.0  952.0  1.74   8.9
  OTHER TESTS:

4083 74 CHEV VEGA 140 COLD TRANS  3.42  60.9  367.6  2.50  18.7
  IHC=1600 PPM HEXANE COLD STAB   4.03  33.5  361.6  2.64  20.8
  ICO[ACT] =  0.1 $CO HOT TRANS   3.21  31.2  315.1  2.83  23.7
  ICO[SPEC]=  0.5 $CO 75 FTP      3.68  38.5  350.1  2.67  21.0
  OTHER TESTS:

4084 74 CHEV MALI 350 COLD TRANS  3.41  56.5  778.1  1.68  10.1
  IHC= 120 PPM HEXANE COLD STAB   1.95  39.6  801.4  0.84  10.2
  ICO[ACT] =  1.4 $CO HOT TRANS   2.46  39.4  675.4  1.38  11.9
  ICO[SPEC]=  0.1 $CO 75 FTP      2.39  43.0  762.3  1.16  10.6
  OTHER TESTS:
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                   MPG
VEH                                    -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE      HC     CO     CO2    NOxc    ECON
------------------------------------------------------------------------
4092 74 FORD MAVE 302 COLD TRANS    5.08   85.2   569.8   3.40    12.3
  IHC= 250 PPM HEXANE COLD STAB     4.01   57.8   558.0   1.41    13.4
  ICO[ACT] =  2.0 %CO HOT TRANS     3.70   48.0   500.6   3.11    15.1
  ICO[SPEC]=  0.5 %CO 75 FTP        4.15   60.8   544.8   2.28    13.6
  OTHER TESTS:

4093 74 FORD MAVE 250 COLD TRANS    3.38   68.0   517.4   3.58    14.0
  IHC= 130 PPM HEXANE COLD STAB     3.19   71.5   484.3   1.57    14.6
  ICO[ACT] =  4.6 %CO HOT TRANS     3.61   58.1   450.3   2.04    16.0
  ICO[SPEC]=  0.5 %CO 75 FTP        3.34   67.1   481.8   2.11    14.8
  OTHER TESTS:

4094 74 FORD LTD  400 COLD TRANS    5.63   71.4   774.7   5.00     9.8
  IHC= 480 PPM HEXANE COLD STAB     5.37  123.1   727.9   1.83     9.5
  ICO[ACT] = 10.0 %CO HOT TRANS     5.04   67.0   650.9   3.75    11.5
  ICO[SPEC]=  0.4 %CO 75 FTP        5.34   97.1   716.5   3.00    10.0
  OTHER TESTS:

4095 74 FORD STAW 351 COLD TRANS    4.97   63.1   859.9   1.62     9.1
  IHC= 120 PPM HEXANE COLD STAB     3.03   33.3   887.2   0.66     9.4
  ICO[ACT] =  0.1 %CO HOT TRANS     3.55   39.2   736.7   1.56    11.0
  ICO[SPEC] = N/A %CO 75 FTP        3.57   41.0   840.5   1.10     9.7
  OTHER TESTS:

4096 74 MERC COUG 351 COLD TRANS    3.39   67.0   775.9   4.03     9.9
  IHC= 500 PPM HEXANE COLD STAB     2.60   51.3   799.8   1.74    10.0
  ICO[ACT] =  3.4 %CO HOT TRANS     3.01   29.2   657.9   4.64    12.4
  ICO[SPEC]=  0.4 %CO 75 FTP        2.88   48.5   756.1   3.00    10.5
  OTHER TESTS:

4097 74 OLDS STAW 350 COLD TRANS    5.47   50.1   744.4   5.63    10.6
  IHC= 195 PPM HEXANE COLD STAB     4.33   27.0   690.0   4.27    11.9
  ICO[ACT] =  0.8 %CO HOT TRANS     4.28   20.6   663.0   5.86    12.5
  ICO[SPEC]=  0.2 %CO 75 FTP        4.55   30.0   693.8   4.98    11.7
  OTHER TESTS:

4098 74 OLDS CUTL 350 COLD TRANS    2.69   46.6   887.9   1.76     9.2
  IHC= 100 PPM HEXANE COLD STAB     2.63   58.1   848.3   1.63     9.4
  ICO[ACT] =  3.7 %CO HOT TRANS     2.12   44.3   734.0   1.82    11.0
  ICO[SPEC]=  0.2 %CO 75 FTP        2.50   52.0   825.3   1.71     9.7
  OTHER TESTS:
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                  MPG
VEH                                   -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2    NOXc   ECON
-----------------------------------------------------------------------
4085 74 CHEV NOVA 250 COLD TRANS   6.37   49.1   669.0   2.68   11.6
  IHC= 700 PPM HEXANE COLD STAB    7.53    8.8   690.5   1.62   12.2
  ICO[ACT] =  0.1 %CO HOT TRANS    5.20   19.0   578.5   2.54   14.2
  ICO[SPEC]=  0.3 %CO 75 FTP       6.66   19.9   655.5   2.09   12.5
  OTHER TESTS:

4086 74 CHEV NOVA 350 COLD TRANS   5.54  147.4   583.9   0.77   10.7
  IHC=  90 PPM HEXANE COLD STAB    3.31   97.0   583.6   0.58   11.9
  ICO[ACT] =  1.1 %CO HOT TRANS    3.06   83.5   523.0   1.03   13.4
  ICO[SPEC]=  0.5 %CO 75 FTP       3.70  103.7   567.2   0.74   12.0
  OTHER TESTS:

4087 74 CHEV MALI 350 COLD TRANS   2.48   34.1   754.2   2.23   10.9
  IHC=  95 PPM HEXANE COLD STAB    1.83   23.5   789.8   0.97   10.7
  ICO[ACT] =  1.0 %CO HOT TRANS    1.99   14.0   668.5   2.02   12.7
  ICO[SPEC]=  0.1 %CO 75 FTP       2.01   23.1   749.4   1.52   11.2
  OTHER TESTS:

4088 74 CHEV STAW 400 COLD TRANS   6.44  183.6   830.9   2.90    7.8
  IHC= 240 PPM HEXANE COLD STAB    4.58  131.0   764.1   2.09    9.0
  ICO[ACT] =  5.0 %CO HOT TRANS    3.51   73.8   740.4   3.64   10.2
  ICO[SPEC]=  0.5 %CO 75 FTP       4.67  126.2   771.4   2.68    9.0
  OTHER TESTS:

4089 74 CHRY NEWP 400 COLD TRANS   7.37  125.6   654.8   4.25   10.1
  IHC= 260 PPM HEXANE COLD STAB    7.20  206.6   657.3   1.25    8.8
  ICO[ACT] =  8.2 %CO HOT TRANS    5.52  111.2   594.8   3.81   11.3
  ICO[SPEC]=  0.5 %CO 75 FTP       6.78  163.9   639.7   2.56    9.7
  OTHER TESTS:

4090 74 DODG MONA 360 COLD TRANS   6.40  100.7   646.9   3.41   10.8
  IHC= 210 PPM HEXANE COLD STAB    4.85  132.3   613.7   1.95   10.6
  ICO[ACT] =  7.4 %CO HOT TRANS    4.26   76.4   568.6   3.77   12.6
  ICO[SPEC]=  0.5 %CO 75 FTP       5.01  110.5   608.2   2.75   11.1
  OTHER TESTS:

4091 74 FORD PINT 122 COLD TRANS   8.88   69.0   338.4   2.06   18.7
  IHC= 270 PPM HEXANE COLD STAB   11.07   82.7   341.8   1.14   17.5
  ICO[ACT] =  7.8 %CO HOT TRANS    7.52   49.4   322.0   2.26   21.0
  ICO[SPEC]=  0.5 %CO 75 FTP       9.65   70.8   335.7   1.64   18.6
  OTHER TESTS:
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                  MPG
VEH                                   -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST   TYPE   HC     CO     CO2    NOxc    ECON
------------------------------------------------------------------------
4099 74 PLYM SATE 318 COLD TRANS   6.19  105.9   575.7   3.89   11.7
  IHC= 230 PPM HEXANE COLD STAB    4.97  138.5   569.4   1.44   11.1
  ICO[ACT] =  8.3 %CO HOT TRANS    4.43   94.3   516.1   2.87   13.1
  ICO[SPEC]=  0.5 %CO 75 FTP       5.07  119.7   556.1   2.34   11.7
  OTHER TESTS:

4100 74 PLYM DUST 318 COLD TRANS   4.16   32.7   625.7   3.38   12.9
  IHC= 160 PPM HEXANE COLD STAB    3.35   43.0   630.7   1.89   12.5
  ICO[ACT] =  2.2 %CO HOT TRANS    2.87   18.6   559.2   3.48   14.9
  ICO[SPEC]=  0.5 %CO 75 FTP       3.38   34.2   610.2   2.63   13.2
  OTHER TESTS:

4101 74 PONT CATA 400 COLD TRANS  10.33  133.0   639.9   6.63   10.1
  IHC= 650 PPM HEXANE COLD STAB   10.13  203.1   533.2   2.90   10.0
  ICO[ACT] = 10.0 %CO HOT TRANS    6.77   97.8   554.1   6.81   12.2
  ICO[SPEC]=  0.2 %CO 75 FTP       9.25  159.9   560.9   4.73   10.5
  OTHER TESTS:

4102 74 DATS 610  119 COLD TRANS   2.85   89.5   413.3   1.32   15.8
  IHC= 150 PPM HEXANE COLD STAB    1.99   62.7   363.2   0.57   19.0
  ICO[ACT] =  3.2 %CO HOT TRANS    1.85   57.8   373.1   1.15   18.9
  ICO[SPEC]=  3.0 %CO 75 FTP       2.13   66.9   376.2   0.88   18.2
  OTHER TESTS:

4103 74 TOYO CORO  97 COLD TRANS   3.15   33.3   338.6   4.55   22.1
  IHC= 300 PPM HEXANE COLD STAB    3.02   47.8   348.1   1.66   20.5
  ICO[ACT] =  8.6 %CO HOT TRANS    2.39   26.7   310.2   3.63   24.7
  ICO[SPEC]=  4.0 %CO 75 FTP       2.87   39.1   335.8   2.79   21.8
  OTHER TESTS:

4104 74 TOYO STAW 120 COLD TRANS   3.10   36.9   508.7   3.23   15.4
  IHC= 480 PPM HEXANE COLD STAB    1.80   37.5   451.4   1.71   17.2
  ICO[ACT] =  7.6 %CO HOT TRANS    1.40   18.7   467.4   2.88   17.7
  ICO[SPEC]=  4.0 %CO 75 FTP       1.96   32.2   467.5   2.34   16.9
  OTHER TESTS:

4105 74 VOLK SEDA  97 COLD TRANS   4.89   60.2   289.1   3.97   22.2
  IHC= 330 PPM HEXANE COLD STAB    3.44   31.8   299.1   2.71   24.7
  ICO[ACT] =  6.2 %CO HOT TRANS    2.82   24.7   287.2   4.29   26.5
  ICO[SPEC]=  3.0 %CO 75 FTP       3.57   35.7   293.8   3.40   24.6
  OTHER TESTS:
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                                      MPG
                                          -----GRAMS PER MILE-----   FUEL
VEH
NO.  YR MAKE MODL CID TEST  TYPE       HC     CO      CO2    NOxc    ECON
---------------------------------------------------------------------------
4106 74 VOLK SEDA  97 COLD TRANS      4.57   53.1   283.1   2.33    23.3
  IHC= 230 PPM HEXANE COLD STAB       4.09   52.2   285.5   1.52    23.3
  ICO[ACT] =  7.8 %CO HOT TRANS       3.05   34.7   270.5   2.33    26.5
  ICO[SPEC]=  2.0 %CO 75 FTP          3.90   47.6   281.0   1.91    24.1
  OTHER TESTS:

3107 73 AMC  HORN 232 COLD TRANS      3.65   45.5   535.7   3.17    14.3
  IHC= 160 PPM HEXANE COLD STAB       1.50   29.1   592.8   1.52    13.8
  ICO[ACT] =  2.5 %CO HOT TRANS       1.80   16.2   484.1   3.32    17.2
  ICO[SPEC]=  1.5 %CO 75 FTP          2.03   28.9   551.4   2.35    14.7
  OTHER TESTS:

3108 73 BUIC ELEC 455 COLD TRANS      5.13  186.8  1024.1   0.74     6.7
  IHC=  60 PPM HEXANE COLD STAB       2.78  111.6  1134.1   0.71     6.7
  ICO[ACT] =  0.9 %CO HOT TRANS       2.53   30.5  1043.8   1.52     8.1
  ICO[SPEC] = N/A %CO 75 FTP          3.20  105.0  1086.8   0.94     7.0
  OTHER TESTS:

3109 73 BUIC APOL 350 COLD TRANS      4.49   56.9   684.2   2.20    11.3
  IHC= 180 PPM HEXANE COLD STAB       3.52   63.1   700.2   1.32    11.0
  ICO[ACT] =  3.1 %CO HOT TRANS       2.72   27.4   585.4   2.39    13.9
  ICO[SPEC] = N/A %CO 75 FTP          3.50   52.1   665.6   1.79    11.7
  OTHER TESTS:

3110 73 CADI DEVI 472 COLD TRANS      3.37   33.7  1095.1   4.83     7.7
  IHC= 110 PPM HEXANE COLD STAB       2.85   46.9   947.0   3.16     8.6
  ICO[ACT] =  3.9 %CO HOT TRANS       1.36   23.1   939.4   3.71     9.1
  ICO[SPEC]=  0.5 %CO 75 FTP          2.55   37.7   975.4   3.66     8.5
  OTHER TESTS:

3111 73 CHEV VEGA 140 COLD TRANS      4.02   55.9   371.5   2.26    18.8
  IHC= 265 PPM HEXANE COLD STAB       2.97   20.0   388.8   1.87    20.7
  ICO[ACT] =  7.0 %CO HOT TRANS       2.27   16.2   323.0   2.43    25.0
  ICO[SPEC] = N/A %CO 75 FTP          3.00   26.4   367.3   2.10    21.2
  OTHER TESTS:

3112 73 CHEV MONT 350 COLD TRANS      2.79   49.7   703.5   3.25    11.2
  IHC= 100 PPM HEXANE COLD STAB       2.02   57.7   680.5   1.45    11.4
  ICO[ACT] =  2.1 %CO HOT TRANS       1.74   31.2   595.8   3.06    13.6
  ICO[SPEC] = N/A %CO 75 FTP          2.11   48.8   662.1   2.26    11.9
  OTHER TESTS:
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

VEH NO. YR MAKE MODL CID	TEST	TYPE	-----GRAMS PER MILE----- HC	CO	CO_2	NOx_c	MPG FUEL ECON
3113 73 CHEV NOVA 350	COLD	TRANS	2.45	25.4	637.9	2.66	12.9
IHC= 91 PPM HEXANE	COLD	STAB	1.70	29.3	643.0	1.22	12.8
ICO[ACT] = 1.4 %CO	HOT	TRANS	1.63	15.7	565.7	2.72	14.9
ICO[SPEC] = N/A %CO	75	FTP	1.83	24.8	620.9	1.93	13.3
OTHER TESTS:							
3114 73 CHEV IMPA 350	COLD	TRANS	4.76	85.8	702.6	4.14	10.4
IHC= 135 PPM HEXANE	COLD	STAB	2.49	59.2	736.3	2.29	10.6
ICO[ACT] = 2.2 %CO	HOT	TRANS	2.53	39.8	642.2	4.21	12.5
ICO[SPEC] = N/A %CO	75	FTP	2.97	59.4	703.7	3.19	11.0
OTHER TESTS:							
3115 73 CHEV IMPA 350	COLD	TRANS	4.58	70.0	675.5	4.76	11.1
IHC= 640 PPM HEXANE	COLD	STAB	3.71	23.5	649.3	3.65	12.7
ICO[ACT] = 0.1 %CO	HOT	TRANS	3.91	15.0	561.7	5.11	14.8
ICO[SPEC] = N/A %CO	75	FTP	3.94	30.8	630.8	4.28	12.8
OTHER TESTS:							
3116 73 DODG DART 225	COLD	TRANS	2.84	42.3	493.6	6.84	15.6
IHC= 275 PPM HEXANE	COLD	STAB	2.31	48.3	420.6	2.18	17.6
ICO[ACT] = 0.1 %CO	HOT	TRANS	3.15	68.4	425.3	4.22	16.4
ICO[SPEC]= 0.5 %CO	75	FTP	2.65	52.6	436.9	3.70	16.8
OTHER TESTS:							
3117 73 FORD PINT 122	COLD	TRANS	3.30	52.8	376.9	5.67	18.9
IHC= 280 PPM HEXANE	COLD	STAB	2.20	20.8	335.9	4.44	23.6
ICO[ACT] = 3.0 %CO	HOT	TRANS	1.85	8.0	339.3	6.81	24.8
ICO[SPEC] = N/A %CO	75	FTP	2.33	23.9	345.3	5.34	22.7
OTHER TESTS:							
3118 73 FORD MUST 351	COLD	TRANS	4.67	6.9	666.5	1.94	12.8
IHC= 180 PPM HEXANE	COLD	STAB	3.71	110.5	704.8	0.93	10.0
ICO[ACT] = 4.3 %CO	HOT	TRANS	2.76	46.3	641.1	1.94	12.3
ICO[SPEC]= 0.5 %CO	75	FTP	3.65	71.6	679.6	1.41	11.0
OTHER TESTS:							
3119 73 FORD MAVE 302	COLD	TRANS	11.37	196.4	570.1	2.40	9.7
IHC= 460 PPM HEXANE	COLD	STAB	5.06	90.9	533.0	1.21	12.8
ICO[ACT] = 8.5 %CO	HOT	TRANS	4.39	45.5	496.4	3.17	15.3
ICO[SPEC] = N/A %CO	75	FTP	6.18	100.2	530.7	1.99	12.5
OTHER TESTS:							

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                              MPG
VEH                                -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2   NOxc   ECON
--------------------------------------------------------------------
3120 73 FORD LTD  351 COLD TRANS  8.14 118.8  605.6  4.82   10.8
  IHC= 390 PPM HEXANE COLD STAB   7.01 138.6  528.8  1.73   11.5
  ICO[ACT] =  8.7 $CO HOT TRANS   5.42  79.1  535.6  4.38   13.1
  ICO[SPEC]=  0.5 $CO 75 FTP      6.81 118.3  546.5  3.09   11.8
  OTHER TESTS:

3121 73 FORD STAW 400 COLD TRANS  4.49  32.6  745.8  6.66   10.9
  IHC= 200 PPM HEXANE COLD STAB   4.21  51.7  676.6  4.18   11.5
  ICO[ACT] =  3.2 $CO HOT TRANS   3.74  24.2  641.3  6.22   12.8
  ICO[SPEC] = N/A $CO 75 FTP      4.14  40.3  681.2  5.25   11.7
  OTHER TESTS:

3122 73 MERC MONT 351 COLD TRANS  9.05 171.7  723.0  2.24    8.7
  IHC= 140 PPM HEXANE COLD STAB   5.25 209.9  742.4  1.26    8.2
  ICO[ACT] =  8.3 $CO HOT TRANS   4.58 121.6  664.6  2.23   10.2
  ICO[SPEC] = N/A $CO 75 FTP      5.85 177.9  717.2  1.72    8.7
  OTHER TESTS:

3123 73 OLDS CUTL 455 COLD TRANS  2.37  26.0  903.7  2.76    9.3
  IHC= 100 PPM HEXANE COLD STAB   2.30  23.1  877.8  1.93    9.6
  ICO[ACT] =  1.3 $CO HOT TRANS   2.19  13.0  771.3  2.90   11.1
  ICO[SPEC]=  3.0 $CO 75 FTP      2.28  20.9  854.1  2.36    9.9
  OTHER TESTS:

3124 73 OLDS CUTL 350 COLD TRANS  2.79  53.2  653.0  2.07   11.9
  IHC= 100 PPM HEXANE COLD STAB   1.82  18.0  617.8  1.38   13.6
  ICO[ACT] =  1.0 $CO HOT TRANS   1.80  11.9  580.6  2.08   14.7
  ICO[SPEC] = N/A $CO 75 FTP      2.01  23.6  614.9  1.71   13.5
  OTHER TESTS:

3125 73 PLYM SATE 318 COLD TRANS 17.94 101.0  615.8  4.02   10.7
  IHC= 240 PPM HEXANE COLD STAB   8.52 115.1  607.5  2.81   10.9
  ICO[ACT] =  8.7 $CO HOT TRANS  15.22  69.4  553.0  4.26   12.5
  ICO[SPEC]=  0.5 $CO 75 FTP     12.29  99.7  594.3  3.46   11.2
  OTHER TESTS:

3126 73 PLYM SCAM 225 COLD TRANS  2.86  64.6  467.0  3.59   15.4
  IHC= 225 PPM HEXANE COLD STAB   2.55  54.9  456.0  1.94   16.1
  ICO[ACT] =  7.3 $CO HOT TRANS   2.65  49.1  403.4  3.17   18.2
  ICO[SPEC]=  0.5 $CO 75 FTP      2.64  55.3  443.9  2.62   16.5
  OTHER TESTS:
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

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                                                          MPG
VEH                             -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE  HC     CO     CO2    NOxc  ECON
-----------------------------------------------------------------
3127 73 PONT CATA 400 COLD TRANS  6.84  99.8  761.0  3.11   9.4
  IHC= 410 PPM HEXANE COLD STAB   5.34  87.6  643.7  1.51  11.1
  ICO[ACT] =  4.5 %CO HOT TRANS   4.55  45.9  622.4  3.18  12.5
  ICO[SPEC] = N/A %CO 75 FTP      5.43  78.7  662.0  2.29  11.1
  OTHER TESTS:

3128 73 PONT LEMA 350 COLD TRANS 38.24 126.3  621.5  2.77   9.4
  IHC=2000 PPM HEXANE COLD STAB  32.46  67.9  577.1  2.05  11.3
  ICO[ACT] =  2.6 %CO HOT TRANS  28.93  77.0  541.4  2.26  11.8
  ICO[SPEC] = N/A %CO 75 FTP     32.69  82.4  576.5  2.26  11.0
  OTHER TESTS:

3129 73 DATS PICK  97 COLD TRANS  9.93  46.5  406.7  2.76  17.4
  IHC= 180 PPM HEXANE COLD STAB   1.54  21.9  445.2  1.65  18.3
  ICO[ACT] =  4.8 %CO HOT TRANS   4.39  18.1  372.3  2.89  21.4
  ICO[SPEC]=  1.5 %CO 75 FTP      4.05  25.9  417.4  2.22  18.8
  OTHER TESTS:

3130 73 OPEL GT    66 COLD TRANS 11.29 146.7  286.2  1.61  16.1
  IHC= 400 PPM HEXANE COLD STAB   9.20 156.5  274.4  0.77  16.2
  ICO[ACT] =  9.1 %CO HOT TRANS   5.51 107.5  262.9  1.56  19.7
  ICO[SPEC] = N/A %CO 75 FTP      8.62 141.1  273.7  1.16  17.0
  OTHER TESTS:

3131 73 TOYO CORO  97 COLD TRANS  4.55  55.8  356.0  2.92  19.4
  IHC= 260 PPM HEXANE COLD STAB   4.27  49.3  355.7  1.35  19.9
  ICO[ACT] =  4.6 %CO HOT TRANS   3.51  36.7  308.1  2.60  23.5
  ICO[SPEC]=  0.4 %CO 75 FTP      4.12  47.2  342.8  2.02  20.6
  OTHER TESTS:

3132 73 VOLK TRAN 103 COLD TRANS  4.59  51.5  474.9  3.94  15.6
  IHC=  40 PPM HEXANE COLD STAB   2.15  19.6  513.2  2.58  16.1
  ICO[ACT] =  0.9 %CO HOT TRANS   2.32  17.1  431.8  4.02  19.0
  ICO[SPEC] = N/A %CO 75 FTP      2.70  25.5  483.1  3.25  16.7
  OTHER TESTS:

3133 73 VOLK SEDA  97 COLD TRANS  2.98  33.5  331.6  4.47  22.5
  IHC= 140 PPM HEXANE COLD STAB   2.21  35.5  347.8  2.30  21.6
  ICO[ACT] =  6.8 %CO HOT TRANS   1.82  22.5  307.9  3.92  25.4
  ICO[SPEC]=  0.4 %CO 75 FTP      2.26  31.6  333.6  3.19  22.7
  OTHER TESTS:
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APPENDIX E

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                      MPG
VEH                                 -----GRAMS PER MILE-----        FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2     NOxc      ECON
--------------------------------------------------------------------------
6018 76 AMC  STAW 258 COLD TRANS   1.34   39.3   520.3   3.02      15.1
  IHC= 140 PPM HEXANE COLD STAB    1.38   31.4   470.6   2.38      16.9
  ICO[ACT] =  4.9 $CO HOT TRANS    1.53   21.7   461.1   2.51      17.7
  ICO[SPEC] = N/A $CO 75 FTP       1.41   30.4   478.3   2.55      16.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE

6019 76 BUIC CNTY 350 COLD TRANS   2.12   30.8   645.2   4.07      12.7
  IHC=  10 PPM HEXANE COLD STAB    0.45    1.1   654.9   2.06      13.5
  ICO[ACT] =  0.0 $CO HOT TRANS    1.03    8.5   576.8   3.59      15.0
  ICO[SPEC] = N/A $CO 75 FTP       0.95    9.2   631.6   2.89      13.7
  OTHER TESTS:        S/C SERIES   SULFATE

6020 76 BUIC ELEC 455 COLD TRANS   0.92    8.4   865.9   2.11      10.1
  IHC=  18 PPM HEXANE COLD STAB    0.13    0.2   858.3   1.25      10.3
  ICO[ACT] =  0.0 $CO HOT TRANS    0.41    1.3   728.5   2.29      12.1
  ICO[SPEC] = N/A $CO 75 FTP       0.37    2.2   824.4   1.71      10.7
  OTHER TESTS:        S/C SERIES   SULFATE

6021 76 CADI ELDO 500 COLD TRANS   2.03   23.8   933.2   2.81       9.1
  IHC= 100 PPM HEXANE COLD STAB    0.75    7.0   849.8   1.97      10.3
  ICO[ACT] =  0.8 $CO HOT TRANS    0.75    4.3   802.0   2.94      10.9
  ICO[SPEC] = N/A $CO 75 FTP       1.02    9.7   854.0   2.41      10.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M

6022 76 CHEV STAW 350 COLD TRANS   2.30   50.9   724.5   4.14      10.9
  IHC=  10 PPM HEXANE COLD STAB    0.14    2.8   713.1   1.89      12.4
  ICO[ACT] =  0.0 $CO HOT TRANS    0.50    7.4   649.5   3.54      13.4
  ICO[SPEC] = N/A $CO 75 FTP       0.68   14.0   698.1   2.81      12.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE

6023 76 CHEV MALI 350 COLD TRANS   1.24   25.5   691.0   3.49      12.1
  IHC=  15 PPM HEXANE COLD STAB    0.69   26.0   661.6   1.02      12.6
  ICO[ACT] =  0.0 $CO HOT TRANS    0.49    8.1   610.6   2.63      14.2
  ICO[SPEC] = N/A $CO 75 FTP       0.75   21.0   653.7   1.97      12.9
  OTHER TESTS:        S/C SERIES   SULFATE

6024 76 CHEV MONZ 140 COLD TRANS   3.41   57.1   499.2   2.21      14.8
  IHC= 310 PPM HEXANE COLD STAB    1.02   25.2   429.5   0.79      18.8
  ICO[ACT] =  6.4 $CO HOT TRANS    1.08   15.6   433.1   1.79      19.2
  ICO[SPEC] = N/A $CO 75 FTP       1.53   29.2   444.8   1.35      17.9
  OTHER TESTS:        S/C SERIES   SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                 MPG
VEH                                 -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2   NOxc   ECON
---------------------------------------------------------------------
6025 76 CHEV STAW 400 COLD TRANS   1.14   10.9   792.6  6.16   10.9
  IHC= 265 PPM HEXANE COLD STAB    1.19   22.6   717.2  3.02   11.7
  ICO[ACT] =  3.2 %CO HOT TRANS    1.22   14.1   680.7  5.76   12.6
  ICO[SPEC] = N/A %CO 75 FTP       1.19   17.9   722.8  4.42   11.8
  OTHER TESTS:        S/C SERIES   SULFATE

6026 76 CHEV MALI 305 COLD TRANS   1.45   16.8   586.8  3.76   14.4
  IHC=  15 PPM HEXANE COLD STAB    0.19    1.5   592.1  2.14   14.9
  ICO[ACT] =  0.4 %CO HOT TRANS    0.51    2.6   529.6  3.33   16.6
  ICO[SPEC] = N/A %CO 75 FTP       0.54    5.0   574.0  2.80   15.2
  OTHER TESTS:        S/C SERIES   SULFATE

6027 76 CHEV NOVA 250 COLD TRANS   4.20   31.1   525.1  3.05   15.1
  IHC= 130 PPM HEXANE COLD STAB    0.49    4.0   473.1  2.13   18.5
  ICO[ACT] =  0.7 %CO HOT TRANS    0.71    4.5   464.7  2.42   18.7
  ICO[SPEC] = N/A %CO 75 FTP       1.32    9.7   481.5  2.40   17.7
  OTHER TESTS:        S/C SERIES   SULFATE

6028 76 CHEV CHET  85 COLD TRANS   1.88   26.7   298.3  3.15   25.6
  IHC=  13 PPM HEXANE COLD STAB    0.25    5.6   322.3  3.02   26.8
  ICO[ACT] =  0.0 %CO HOT TRANS    0.57   10.3   274.1  3.09   30.4
  ICO[SPEC] = N/A %CO 75 FTP       0.67   11.2   304.2  3.07   27.4
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6029 76 DODG ASPE 318 COLD TRANS   1.91   19.6   601.2  2.36   13.9
  IHC=  55 PPM HEXANE COLD STAB    0.68    2.7   590.6  1.52   14.9
  ICO[ACT] =  0.0 %CO HOT TRANS    1.24    4.7   541.6  2.26   16.1
  ICO[SPEC]=  0.4 %CO 75 FTP       1.09    6.7   579.4  1.90   15.0
  OTHER TESTS:        S/C SERIES   SULFATE

6030 76 DODG ASPE 225 COLD TRANS   2.51   54.6   538.6  3.98   14.0
  IHC= 175 PPM HEXANE COLD STAB    1.25   18.5   474.3  2.19   17.5
  ICO[ACT] =  0.9 %CO HOT TRANS    2.27   39.2   461.0  2.27   16.8
  ICO[SPEC]=  0.3 %CO 75 FTP       1.79   31.6   483.9  2.58   16.5
  OTHER TESTS:        S/C SERIES   SULFATE

6031 76 FORD STAW 140 COLD TRANS   0.84   13.5   481.9  2.44   17.6
  IHC=  25 PPM HEXANE COLD STAB    0.39    0.3   451.9  1.44   19.6
  ICO[ACT] =  0.0 %CO HOT TRANS    0.46    1.3   420.8  2.46   20.9
  ICO[SPEC] = N/A %CO 75 FTP       0.50    3.3   449.6  1.93   19.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                 MPG
VEH                                   -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC    CO    CO2   NOxc   ECON
--------------------------------------------------------------------
6032 76 FORD LTD  400 COLD TRANS   1.41   6.0  716.3  2.41   12.2
  IHC= 130 PPM HEXANE COLD STAB    1.12   0.5  685.4  2.32   12.9
  ICO[ACT] =  0.0 $CO HOT TRANS    1.78   5.3  618.2  2.76   14.0
  ICO[SPEC] = N/A $CO 75 FTP       1.36   2.9  673.4  2.46   13.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6033 76 FORD TORI 351 COLD TRANS   2.05  23.1  682.9  6.14   12.2
  IHC= 650 PPM HEXANE COLD STAB    1.83  13.8  604.3  3.62   14.0
  ICO[ACT] =  1.6 $CO HOT TRANS    2.01   9.5  571.0  5.30   15.0
  ICO[SPEC] = N/A $CO 75 FTP       1.92  14.5  611.4  4.60   13.9
  OTHER TESTS:        S/C SERIES   SULFATE

6034 76 FORD GRAN 250 COLD TRANS   1.55  23.7  695.0  1.88   12.0
  IHC=  22 PPM HEXANE COLD STAB    0.45   6.3  673.8  0.96   13.0
  ICO[ACT] =  0.0 $CO HOT TRANS    1.06  12.0  638.6  1.33   13.4
  ICO[SPEC] = N/A $CO 75 FTP       0.84  11.5  668.5  1.25   12.9
  OTHER TESTS:        S/C SERIES

6035 76 FORD GRAN 302 COLD TRANS   1.99  17.8  596.1  3.03   14.1
  IHC=  35 PPM HEXANE COLD STAB    0.62   0.2  601.3  2.13   14.7
  ICO[ACT] =  0.0 $CO HOT TRANS    1.47   2.6  541.8  3.18   16.1
  ICO[SPEC] = N/A $CO 75 FTP       1.13   4.5  584.0  2.60   14.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6036 76 FORD GRAN 351 COLD TRANS   2.91  26.4  646.1  4.71   12.7
  IHC=  50 PPM HEXANE COLD STAB    0.62   0.2  627.8  3.52   14.1
  ICO[ACT] =  0.0 $CO HOT TRANS    1.07   2.0  587.8  4.25   14.9
  ICO[SPEC] = N/A $CO 75 FTP       1.21   6.1  620.6  3.97   14.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6037 76 MERC MONG 400 COLD TRANS   1.96   9.4  759.5  2.64   11.4
  IHC=  50 PPM HEXANE COLD STAB    1.13   0.4  707.7  3.00   12.5
  ICO[ACT] =  0.0 $CO HOT TRANS    1.38   4.1  654.7  3.45   13.3
  ICO[SPEC] = N/A $CO 75 FTP       1.37   3.3  703.9  3.05   12.4
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6038 76 MERC MONA 250 COLD TRANS   1.11   7.7  587.1  3.01   14.7
  IHC=  35 PPM HEXANE COLD STAB    0.42   0.2  523.5  1.78   16.9
  ICO[ACT] =  0.1 $CO HOT TRANS    0.61   0.5  505.2  2.96   17.5
  ICO[SPEC] = N/A $CO 75 FTP       0.61   1.8  531.6  2.35   16.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                  MPG
VEH                                   -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST   TYPE      HC     CO     CO2   NOxc  ECON
----------------------------------------------------------------------
6039 76 OLDS OMEG 260 COLD TRANS     1.64   15.0   541.8   2.51  15.6
  IHC= 160 PPM HEXANE COLD STAB      0.52    5.5   619.9   1.23  14.1
  ICO[ACT] =  1.2 %CO HOT TRANS      0.59    4.3   488.7   2.21  17.8
  ICO[SPEC] = N/A %CO 75 FTP         0.77    7.1   568.0   1.76  15.3
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE

6040 76 OLDS CUTL 350 COLD TRANS     2.45   32.9   586.5   2.46  13.7
  IHC= 415 PPM HEXANE COLD STAB      1.64   16.6   524.4   1.60  16.0
  ICO[ACT] =  3.5 %CO HOT TRANS      1.25    9.3   507.9   2.33  16.9
  ICO[SPEC] = N/A %CO 75 FTP         1.70   17.9   532.6   1.97  15.7
  OTHER TESTS:        S/C SERIES     SULFATE

6041 76 OLDS TORO 455 COLD TRANS     1.15    7.3   842.6   2.98  10.3
  IHC=  15 PPM HEXANE COLD STAB      0.20    0.3   775.3   1.59  11.4
  ICO[ACT] =  0.0 %CO HOT TRANS      0.52    3.0   731.3   2.77  12.0
  ICO[SPEC] = N/A %CO 75 FTP         0.48    2.5   777.1   2.20  11.3
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE

6042 76 PLYM VOLA 225 COLD TRANS     1.73   20.5   493.9   9.64  16.7
  IHC= 200 PPM HEXANE COLD STAB      0.76    3.6   462.7   6.91  18.9
  ICO[ACT] =  2.0 %CO HOT TRANS      0.97    6.2   440.0   9.23  19.6
  ICO[SPEC] = N/A %CO 75 FTP         1.02    7.8   462.9   8.11  18.6
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE

6043 76 PLYM VOLA 318 COLD TRANS     2.33   24.9   597.0   3.72  13.8
  IHC=  80 PPM HEXANE COLD STAB      0.92    2.7   568.8   2.65  15.4
  ICO[ACT] =  0.1 %CO HOT TRANS      1.57    2.6   538.0   3.72  16.2
  ICO[SPEC] = N/A %CO 75 FTP         1.39    7.2   566.2   3.16  15.3
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE

6044 76 PONT LEMA 350 COLD TRANS     2.05   44.0   633.5   3.67  12.5
  IHC=  35 PPM HEXANE COLD STAB      0.27    3.2   586.7   2.71  15.0
  ICO[ACT] =  0.0 %CO HOT TRANS      0.65    9.8   541.3   3.72  15.9
  ICO[SPEC] = N/A %CO 75 FTP         0.74   13.4   583.9   3.18  14.6
  OTHER TESTS:        S/C SERIES     SULFATE

6045 76 PONT GRNP 400 COLD TRANS     2.33   21.9   656.6   5.34  12.7
  IHC=  23 PPM HEXANE COLD STAB      0.28    1.0   650.0   4.68  13.6
  ICO[ACT] =  0.0 %CO HOT TRANS      0.79    5.0   595.7   6.55  14.6
  ICO[SPEC] = N/A %CO 75 FTP         0.84    6.4   636.5   5.33  13.7
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH							-----GRAMS	PER	MILE-----		MPG FUEL
NO.	YR	MAKE	MODL	CID	TEST	TYPE	HC	CO	CO_2	NOx_c	ECON
6046	76	DATS	B210	85	COLD	TRANS	2.05	16.4	329.5	5.37	24.5
IHC= 105 PPM HEXANE					COLD	STAB	2.13	7.7	320.9	3.10	26.1
ICO[ACT] = 0.5 %CO					HOT	TRANS	2.00	8.3	286.8	5.11	29.0
ICO[SPEC]= 2.0 %CO					75	FTP	2.08	9.7	313.4	4.12	26.5
OTHER TESTS:					S/C	SERIES					
6047	76	DATS	PICK	119	COLD	TRANS	1.90	46.1	476.6	3.73	16.0
IHC= 90 PPM HEXANE					COLD	STAB	1.55	34.2	369.1	1.85	20.8
ICO[ACT] = 1.1 %CO					HOT	TRANS	1.39	25.4	398.6	3.54	20.0
ICO[SPEC] = N/A %CO					75	FTP	1.58	34.2	399.3	2.70	19.4
OTHER TESTS:					S/C	SERIES					
6048	76	TOYO	CORO	97	COLD	TRANS	1.94	18.9	380.3	3.93	21.3
IHC= 66 PPM HEXANE					COLD	STAB	0.73	14.5	399.5	1.81	20.9
ICO[ACT] = 1.2 %CO					HOT	TRANS	0.99	11.3	345.2	3.32	24.2
ICO[SPEC] = N/A %CO					75	FTP	1.05	14.6	380.8	2.66	21.8
OTHER TESTS:					S/C	SERIES					
6049	76	TOYO	CELI	133	COLD	TRANS	1.83	27.1	441.2	5.34	18.1
IHC= 85 PPM HEXANE					COLD	STAB	1.03	13.8	395.8	2.06	21.1
ICO[ACT] = 0.6 %CO					HOT	TRANS	1.16	10.1	391.8	5.39	21.6
ICO[SPEC] = N/A %CO					75	FTP	1.23	15.5	404.1	3.64	20.5
OTHER TESTS:					S/C	SERIES					
6050	76	VOLK	RABB	97	COLD	TRANS	0.92	21.7	413.5	2.00	19.7
IHC= 25 PPM HEXANE					COLD	STAB	0.11	0.4	407.3	1.32	21.7
ICO[ACT] = 0.0 %CO					HOT	TRANS	0.25	1.3	350.9	1.83	25.1
ICO[SPEC] = N/A %CO					75	FTP	0.32	5.0	393.2	1.60	22.1
OTHER TESTS:					S/C	SERIES	SULFATE				
6051	76	VOLK	RABB	97	COLD	TRANS	0.37	6.2	375.6	2.38	23.0
IHC= 15 PPM HEXANE					COLD	STAB	0.24	1.5	358.3	1.83	24.6
ICO[ACT] = 0.0 %CO					HOT	TRANS	0.57	2.1	312.3	2.59	28.0
ICO[SPEC]= 1.5 %CO					75	FTP	0.36	2.6	349.3	2.15	25.0
OTHER TESTS:					S/C	SERIES	SULFATE				
6201	76	AMC	HORN	304	COLD	TRANS	1.11	25.1	672.7	1.72	12.4
IHC= 33 PPM HEXANE					COLD	STAB	0.27	1.6	655.4	1.17	13.5
ICO[ACT] = 0.0 %CO					HOT	TRANS	0.33	4.1	611.7	1.68	14.3
ICO[SPEC] = N/A %CO					75	FTP	0.46	7.1	647.0	1.42	13.5
OTHER TESTS:					S/C	SERIES	REVISED	S/M	SULFATE		

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                              MPG
VEH                                 -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2    NOxo  ECON
--------------------------------------------------------------------
6202 76 AMC  STAW 258 COLD TRANS  1.10  15.1  538.0  3.56  15.7
  IHC=  75 PPM HEXANE COLD STAB   0.59   2.8  511.5  1.71  17.1
  ICO[ACT] =  0.1 $CO HOT TRANS   0.79   3.7  474.7  2.07  18.4
  ICO[SPEC] = N/A $CO 75 FTP      0.75   5.6  506.9  2.19  17.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6203 76 AMC  MATA 360 COLD TRANS  0.95  22.2  681.5  3.15  12.3
  IHC=  14 PPM HEXANE COLD STAB   0.17   0.2  726.0  1.99  12.2
  ICO[ACT] =  0.0 $CO HOT TRANS   0.14   0.7  614.5  3.51  14.4
  ICO[SPEC] = N/A $CO 75 FTP      0.32   4.9  686.4  2.64  12.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6204 76 AMC  PACE 232 COLD TRANS  2.59  49.8  563.4  2.44  13.7
  IHC= 155 PPM HEXANE COLD STAB   1.65   6.0  503.8  2.56  17.1
  ICO[ACT] =  0.2 $CO HOT TRANS   1.92  12.8  486.0  2.57  17.3
  ICO[SPEC] = N/A $CO 75 FTP      1.92  16.9  511.2  2.54  16.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6205 76 BUIC CNTY 231 COLD TRANS  2.09  42.6  527.5  3.60  14.8
  IHC= 165 PPM HEXANE COLD STAB   2.48  38.5  483.6  1.45  16.1
  ICO[ACT] =  3.0 $CO HOT TRANS   1.38  26.5  458.5  2.57  17.6
  ICO[SPEC] = N/A $CO 75 FTP      2.10  36.1  485.8  2.20  16.2
  OTHER TESTS:        S/C SERIES  REVISED 3/M

6206 76 BUIC LESA 350 COLD TRANS  1.30  21.0  697.6  4.14  12.1
  IHC=  10 PPM HEXANE COLD STAB   0.10   0.3  638.6  2.54  13.9
  ICO[ACT] =  0.0 $CO HOT TRANS   0.40   3.1  595.2  4.07  14.8
  ICO[SPEC] = N/A $CO 75 FTP      0.43   5.3  638.9  3.29  13.7
  OTHER TESTS:        S/C SERIES  SULFATE

6207 76 BUIC CNTY 350 COLD TRANS  0.88   9.0  658.5  4.66  13.1
  IHC=  15 PPM HEXANE COLD STAB   0.05   0.1  638.6  2.52  13.9
  ICO[ACT] =  0.0 $CO HOT TRANS   0.52   2.0  571.8  3.90  15.4
  ICO[SPEC] = N/A $CO 75 FTP      0.35   2.4  624.4  3.34  14.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6208 76 BUIC ELEC 455 COLD TRANS  1.56  14.9  740.3  4.37  11.5
  IHC=  15 PPM HEXANE COLD STAB   0.24   0.5  756.8  1.89  11.7
  ICO[ACT] =  0.0 $CO HOT TRANS   0.39   1.8  655.6  3.31  13.5
  ICO[SPEC] = N/A $CO 75 FTP      0.55   3.8  725.8  2.79  12.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                  MPG
VEH                                      -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC    CO    CO2   NOxc   ECON
-------------------------------------------------------------------
6209 76 BUIC CNTY 350 COLD TRANS  1.10  16.2  656.9  3.11  12.9
  IHC=  14 PPM HEXANE COLD STAB   0.12   1.0  637.5  2.02  13.9
  ICO[ACT] =  0.0 $CO HOT TRANS   0.39   4.8  586.6  2.67  14.9
  ICO[SPEC] = N/A $CO 75 FTP      0.39   5.2  627.6  2.42  13.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6210 76 BUIC CNTY 231 COLD TRANS  2.10  38.7  512.3  5.37  15.3
  IHC= 160 PPM HEXANE COLD STAB   1.36  33.8  484.8  2.07  16.4
  ICO[ACT] =  2.9 $CO HOT TRANS   1.10  17.4  466.5  4.15  17.8
  ICO[SPEC] = N/A $CO 75 FTP      1.44  30.3  485.5  3.31  16.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6211 76 BUIC SKYL 260 COLD TRANS  2.13  14.8  522.3  4.08  16.1
  IHC=  30 PPM HEXANE COLD STAB   0.19   0.3  488.8  2.76  18.1
  ICO[ACT] =  0.0 $CO HOT TRANS   0.56   4.2  460.0  4.21  18.9
  ICO[SPEC] = N/A $CO 75 FTP      0.69   4.3  487.8  3.43  17.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6212 76 CADI SEVI 350 COLD TRANS  3.11  24.8  652.8  3.00  12.6
  IHC=  25 PPM HEXANE COLD STAB   0.45   0.1  624.0  1.95  14.2
  ICO[ACT] =  0.1 $CO HOT TRANS   0.49   1.1  586.6  2.63  15.0
  ICO[SPEC] = N/A $CO 75 FTP      1.01   5.4  619.7  2.35  14.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6213 76 CADI DEVI 500 COLD TRANS  2.00  28.3  840.2  2.63  10.0
  IHC=  13 PPM HEXANE COLD STAB   0.20   0.6  765.3  2.66  11.6
  ICO[ACT] =  0.0 $CO HOT TRANS   0.44   4.2  720.1  2.76  12.2
  ICO[SPEC] = N/A $CO 75 FTP      0.64   7.3  768.4  2.68  11.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6214 76 CADI ELDO 500 COLD TRANS  1.77  32.0  842.3  2.33   9.9
  IHC=  97 PPM HEXANE COLD STAB   0.87  11.7  786.1  1.72  11.0
  ICO[ACT] =  0.6 $CO HOT TRANS   0.72   9.8  727.9  2.37  11.9
  ICO[SPEC] = N/A $CO 75 FTP      1.01  15.3  781.8  2.02  11.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M

6215 76 CADI DEVI 500 COLD TRANS  1.51  16.3  837.7  1.89  10.2
  IHC=  25 PPM HEXANE COLD STAB   0.23   1.0  810.1  1.66  10.9
  ICO[ACT] =  0.1 $CO HOT TRANS   0.65   4.8  742.3  2.11  11.8
  ICO[SPEC] = N/A $CO 75 FTP      0.61   5.2  797.3  1.83  11.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                   -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2   NOx0    ECON
-----------------------------------------------------------------------
6216 76 CHEV CHET  85 COLD TRANS   2.29   27.8   307.7   2.33    24.8
  IHC= 120 PPM HEXANE COLD STAB    0.42   11.1   329.2   2.27    25.5
  ICO[ACT] =  2.6 %CO HOT TRANS    0.73   15.5   284.9   2.29    28.5
  ICO[SPEC] = N/A %CO 75 FTP       0.89   15.7   312.7   2.29    26.1
  OTHER TESTS:        S/C SERIES   REVISED 3/M

6217 76 CHEV IMPA 350 COLD TRANS    .94   35.5   709.4   3.80    11.5
  IHC=  10 PPM HEXANE COLD STAB    0.20    1.2   712.2   1.97    12.4
  ICO[ACT] =  0.0 %CO HOT TRANS    0.38    4.4   638.2   3.16    13.7
  ICO[SPEC] = N/A %CO 75 FTP       0.61    9.1   691.5   2.67    12.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6218 76 CHEV MALI 305 COLD TRANS   2.00   30.7   614.2   4.47    13.3
  IHC= 210 PPM HEXANE COLD STAB    1.47   22.2   584.6   2.02    14.2
  ICO[ACT] =  2.5 %CO HOT TRANS    1.42   12.4   536.5   3.38    15.8
  ICO[SPEC] = N/A %CO 75 FTP       1.56   21.3   577.6   2.90    14.4
  OTHER TESTS:        S/C SERIES   SULFATE

6219 76 CHEV MONT 350 COLD TRANS   2.67   43.5   622.4   3.94    12.7
  IHC=  95 PPM HEXANE COLD STAB    1.29   25.8   589.8   1.21    14.0
  ICO[ACT] =  0.7 %CO HOT TRANS    0.91   10.9   546.8   3.13    15.7
  ICO[SPEC] = N/A %CO 75 FTP       1.47   25.4   584.8   2.29    14.1
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6220 76 CHEV NOVA 250 COLD TRANS  10.79   71.1   545.0   2.88    12.8
  IHC= 390 PPM HEXANE COLD STAB    3.24   90.8   409.7   1.89    15.8
  ICO[ACT] = 10.0 %CO HOT TRANS    1.86   34.8   432.4   2.42    18.0
  ICO[SPEC] = N/A %CO 75 FTP       4.42   71.5   443.7   2.24    15.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6221 76 CHEV MONT 350 COLD TRANS   1.62   43.0   639.3   3.55    12.5
  IHC=  20 PPM HEXANE COLD STAB    0.37   16.2   657.6   1.24    13.0
  ICO[ACT] =  0.0 %CO HOT TRANS    0.55   11.4   580.9   2.87    14.8
  ICO[SPEC] = N/A %CO 75 FTP       0.68   20.4   632.9   2.16    13.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6222 76 CHEV CAMA 305 COLD TRANS   3.25   44.6   555.7   3.58    14.0
  IHC= 200 PPM HEXANE COLD STAB    0.87    9.4   572.3   1.72    15.0
  ICO[ACT] =  1.1 %CO HOT TRANS    1.04   11.4   517.1   2.60    16.5
  ICO[SPEC] = N/A %CO 75 FTP       1.40   17.2   553.8   2.35    15.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE
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LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                  MPG
VEH                                      -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2    NOxc   ECON
------------------------------------------------------------------------
6223 76 CHEV CAPR 400 COLD TRANS  1.29  13.9  668.4  4.58   12.8
  IHC=  15 PPM HEXANE COLD STAB   0.53   8.7  638.5  2.01   13.6
  ICO[ACT] =  0.0 %CO HOT TRANS   0.69  10.6  589.5  3.24   14.6
  ICO[SPEC] = N/A %CO 75 FTP      0.73  10.3  631.3  2.87   13.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6224 76 CHEV STAW 350 COLD TRANS  3.18  84.4  675.0  3.12   10.9
  IHC= 230 PPM HEXANE COLD STAB   2.56  74.1  622.6  1.02   11.9
  ICO[ACT] =  4.2 %CO HOT TRANS   1.76  38.6  616.8  2.61   13.0
  ICO[SPEC] = N/A %CO 75 FTP      2.47  66.5  631.8  1.88   11.9
  OTHER TESTS:        S/C SERIES  SULFATE

6225 76 CHEV IMPA 400 COLD TRANS  0.93   6.9  674.8  4.48   12.9
  IHC=  15 PPM HEXANE COLD STAB   0.14   0.0  656.8  2.39   13.5
  ICO[ACT] =  0.0 %CO HOT TRANS   0.76   2.6  597.5  4.25   14.7
  ICO[SPEC] = N/A %CO 75 FTP      0.47   2.1  644.3  3.33   13.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6226 76 CHEV MONT 350 COLD TRANS  1.42  11.5  659.4  3.83   13.0
  IHC=  15 PPM HEXANE COLD STAB   0.17   0.9  645.4  1.79   13.7
  ICO[ACT] =  0.0 %CO HOT TRANS   0.43   4.1  576.2  2.81   15.2
  ICO[SPEC] = N/A %CO 75 FTP      0.50   4.0  629.4  2.49   13.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6227 76 CHEV MONT 350 COLD TRANS  1.50  32.1  626.5  4.10   13.0
  IHC=  20 PPM HEXANE COLD STAB   0.26   6.6  621.0  1.53   14.0
  ICO[ACT] =  0.0 %CO HOT TRANS   0.39   5.0  560.3  3.46   15.6
  ICO[SPEC] = N/A %CO 75 FTP      0.55  11.4  605.6  2.59   14.2
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6228 76 CHEV VEGA 140 COLD TRANS  4.41  46.9  382.7  1.83   18.9
  IHC= 240 PPM HEXANE COLD STAB   1.93  34.8  390.5  0.90   19.7
  ICO[ACT] =  4.6 %CO HOT TRANS   1.51  20.6  345.5  1.73   23.2
  ICO[SPEC] = N/A %CO 75 FTP      2.33  33.4  376.6  1.32   20.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6229 76 CHEV MONZ 262 COLD TRANS  2.54  13.8  550.5  4.20   15.3
  IHC=  27 PPM HEXANE COLD STAB   0.80   9.2  627.4  2.60   13.8
  ICO[ACT] =  0.0 %CO HOT TRANS   0.80   6.4  509.9  3.93   17.0
  ICO[SPEC] = N/A %CO 75 FTP      1.16   9.4  579.5  3.29   14.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE
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LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                        MPG
VEH                                        -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE       HC      CO      CO2    NOxc     ECON
---------------------------------------------------------------------------
6230 76 CHEV NOVA 350 COLD TRANS     1.58    16.5    626.9    3.83     13.5
  IHC=  30 PPM HEXANE COLD STAB      1.19    15.1    607.9    1.48     14.0
  ICO[ACT] =  0.4 $CO HOT TRANS      0.96     9.8    555.3    3.46     15.5
  ICO[SPEC] = N/A $CO 75 FTP         1.21    13.9    597.4    2.50     14.2
  OTHER TESTS:        S/C SERIES     REVISED 3/M

6231 76 CHEV MALI 350 COLD TRANS     1.53    28.9    661.9    2.26     12.5
  IHC=  15 PPM HEXANE COLD STAB      0.46    16.6    681.7    1.12     12.5
  ICO[ACT] =  0.0 $CO HOT TRANS      0.53    11.8    616.6    1.87     13.9
  ICO[SPEC] = N/A $CO 75 FTP         0.70    17.8    659.8    1.56     12.9
  OTHER TESTS:        S/C SERIES     REVISED 3/M  SULFATE

6232 76 CHEV MALI 350 COLD TRANS     1.40    14.7    640.8    3.51     13.3
  IHC=  25 PPM HEXANE COLD STAB      0.18     1.4    623.4    1.41     14.2
  ICO[ACT] =  0.0 $CO HOT TRANS      0.59     4.4    574.4    2.79     15.2
  ICO[SPEC] = N/A $CO 75 FTP         0.54     5.0    613.6    2.22     14.2
  OTHER TESTS:        S/C SERIES     REVISED 3/M  SULFATE

6233 76 CHEV MONT 350 COLD TRANS     1.95    36.0    621.6    2.95     13.0
  IHC= 120 PPM HEXANE COLD STAB      1.47    34.4    594.9    1.07     13.6
  ICO[ACT] =  1.2 $CO HOT TRANS      0.83    14.0    568.2    2.43     15.0
  ICO[SPEC] = N/A $CO 75 FTP         1.40    29.1    593.1    1.83     13.8
  OTHER TESTS:        S/C SERIES     REVISED 3/M  SULFATE

6234 76 CHEV CAMA 305 COLD TRANS     1.66    18.4    558.2    4.22     15.0
  IHC=  19 PPM HEXANE COLD STAB      0.41     1.4    551.6    1.89     16.0
  ICO[ACT] =  0.0 $CO HOT TRANS      0.96     3.5    505.1    3.67     17.3
  ICO[SPEC] = N/A $CO 75 FTP         0.82     5.5    540.3    2.85     16.1
  OTHER TESTS:        S/C SERIES     REVISED 3/M  SULFATE

6235 76 CHEV STAW 140 COLD TRANS     3.27    47.9    467.8    2.84     16.0
  IHC= 235 PPM HEXANE COLD STAB      2.06    29.0    412.6    1.26     19.1
  ICO[ACT] =  4.7 $CO HOT TRANS      1.62    18.2    399.8    2.51     20.5
  ICO[SPEC] = N/A $CO 75 FTP         2.19    29.9    420.5    1.92     18.7
  OTHER TESTS:        S/C SERIES     REVISED 3/M  SULFATE

6236 76 CHEV MONT 350 COLD TRANS     2.29    60.8    614.1    2.73     12.4
  IHC= 100 PPM HEXANE COLD STAB      1.40    40.8    586.1    0.88     13.6
  ICO[ACT] =  1.0 $CO HOT TRANS      1.20    27.6    541.8    1.86     15.1
  ICO[SPEC] = N/A $CO 75 FTP         1.53    41.3    579.8    1.53     13.7
  OTHER TESTS:        S/C SERIES     REVISED 3/M  SULFATE
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH NO. YR MAKE MODL CID	TEST TYPE	-----GRAMS PER MILE----- HC	CO	CO_2	NOx_c	MPG FUEL ECON
6237 76 CHEV NOVA 250	COLD TRANS	1.82	11.7	495.8	2.66	17.1
IHC= 16 PPM HEXANE	COLD STAB	0.26	0.0	449.5	1.65	19.7
ICO[ACT] = 0.0 %CO	HOT TRANS	0.41	0.4	433.3	2.00	20.4
ICO[SPEC] = N/A %CO	75 FTP	0.62	2.5	454.6	1.95	19.3
OTHER TESTS:	S/C SERIES	REVISED 3/M		SULFATE		
6238 76 CHEV STAW 140	COLD TRANS	1.90	57.3	449.0	2.18	16.3
IHC= 200 PPM HEXANE	COLD STAB	1.02	37.6	391.3	0.77	19.6
ICO[ACT] = 7.2 %CO	HOT TRANS	0.88	22.1	384.2	1.63	21.1
ICO[SPEC] = N/A %CO	75 FTP	1.16	37.4	401.2	1.29	19.1
OTHER TESTS:	S/C SERIES	REVISED 3/M				
6239 76 CHEV NOVA 262	COLD TRANS	2.57	23.3	528.6	3.85	15.5
IHC= 24 PPM HEXANE	COLD STAB	0.28	1.3	516.3	1.91	17.1
ICO[ACT] = 0.0 %CO	HOT TRANS	0.77	5.8	466.0	2.78	18.6
ICO[SPEC] = N/A %CO	75 FTP	0.89	7.1	505.1	2.55	17.1
OTHER TESTS:	S/C SERIES	REVISED 3/M		SULFATE		
6240 76 CHRY CORD 400	COLD TRANS	1.57	34.6	756.5	4.63	10.9
IHC= 24 PPM HEXANE	COLD STAB	0.15	1.8	793.0	2.36	11.1
ICO[ACT] = 0.0 %CO	HOT TRANS	0.50	6.7	675.9	4.88	12.9
ICO[SPEC] = N/A %CO	75 FTP	0.54	9.9	753.5	3.51	11.5
OTHER TESTS:	S/C SERIES	REVISED 3/M		SULFATE		
6241 76 CHRY NEWP 400	COLD TRANS	2.72	35.5	780.5	4.61	10.5
IHC= 70 PPM HEXANE	COLD STAB	2.02	30.5	810.3	2.21	10.3
ICO[ACT] = 1.9 %CO	HOT TRANS	1.46	21.0	720.2	3.12	11.7
ICO[SPEC] = N/A %CO	75 FTP	2.01	28.9	779.6	2.95	10.7
OTHER TESTS:	S/C SERIES	REVISED 3/M				
6242 76 DODG ASPE 360	COLD TRANS	1.66	34.3	609.5	3.19	13.3
IHC= 120 PPM HEXANE	COLD STAB	1.09	31.3	634.7	1.54	12.9
ICO[ACT] = 3.2 %CO	HOT TRANS	0.69	15.5	562.8	3.19	15.1
ICO[SPEC] = N/A %CO	75 FTP	1.10	27.6	609.9	2.33	13.5
OTHER TESTS:	S/C SERIES	REVISED 3/M		SULFATE		
6243 76 DODG CHAR 400	COLD TRANS	2.14	38.1	700.6	2.37	11.6
IHC= 120 PPM HEXANE	COLD STAB	1.92	32.1	690.4	1.24	11.9
ICO[ACT] = 1.4 %CO	HOT TRANS	1.18	12.6	639.5	1.88	13.4
ICO[SPEC] = N/A %CO	75 FTP	1.76	28.0	678.6	1.65	12.2
OTHER TESTS:	S/C SERIES	REVISED 3/M				

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                MPG
VEH                                  -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO    CO2    NOxc   ECON
--------------------------------------------------------------------
6244 76 DODG ASPE 225 COLD TRANS   2.40   55.5   549.0  5.28   13.8
  IHC= 150 PPM HEXANE COLD STAB    0.99   13.9   502.7  4.02   16.8
  ICO[ACT] =  3.3 %CO HOT TRANS    1.16   12.5   472.9  5.05   17.9
  ICO[SPEC] = N/A %CO 75 FTP       1.33   22.1   504.1  4.56   16.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE

6245 76 DODG CHAR 360 COLD TRANS   2.62   36.8   762.2  2.56   10.7
  IHC=  85 PPM HEXANE COLD STAB    0.52    5.5   770.7  1.54   11.4
  ICO[ACT] =  0.4 %CO HOT TRANS    0.46    6.0   672.4  2.39   13.0
  ICO[SPEC]=  0.3 %CO 75 FTP       0.94   12.1   742.1  1.98   11.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE

6246 76 DODG DART 318 COLD TRANS   5.40   46.2   648.6  1.74   12.0
  IHC= 120 PPM HEXANE COLD STAB    7.26    8.7   639.1  1.40   13.1
  ICO[ACT] =  0.1 %CO HOT TRANS    4.02   11.6   575.3  1.92   14.6
  ICO[SPEC] = N/A %CO 75 FTP       5.99   17.2   623.6  1.61   13.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE

6247 76 DODG DART 225 COLD TRANS   2.15   28.2   495.4  3.90   16.2
  IHC= 280 PPM HEXANE COLD STAB    1.45   16.2   437.4  2.78   19.0
  ICO[ACT] =  4.1 %CO HOT TRANS    1.15   10.6   428.8  3.00   19.8
  ICO[SPEC] = N/A %CO 75 FTP       1.51   17.2   447.0  3.07   18.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE

6248 76 FORD LTD  400 COLD TRANS   1.11   13.3   736.0  2.33   11.7
  IHC=  60 PPM HEXANE COLD STAB    0.54    0.4   691.5  2.88   12.8
  ICO[ACT] =  0.0 %CO HOT TRANS    0.81    4.2   641.4  2.97   13.6
  ICO[SPEC] = N/A %CO 75 FTP       0.73    4.1   687.0  2.79   12.8
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE

6249 76 FORD ELIT 351 COLD TRANS   2.08   27.2   692.5  4.82   12.0
  IHC=  65 PPM HEXANE COLD STAB    1.28   10.3   668.2  3.78   12.9
  ICO[ACT] =  0.1 %CO HOT TRANS    1.71    9.3   616.2  4.82   14.0
  ICO[SPEC] = N/A %CO 75 FTP       1.56   13.5   659.0  4.28   13.0
  OTHER TESTS:        S/C SERIES   SULFATE

6250 76 FORD MAVE 250 COLD TRANS   1.98    8.6   639.7  1.23   13.5
  IHC=  30 PPM HEXANE COLD STAB    0.49    0.1   523.7  1.25   16.9
  ICO[ACT] =  0.0 %CO HOT TRANS    0.52    0.6   538.5  1.07   16.4
  ICO[SPEC] = N/A %CO 75 FTP       0.81    2.0   551.6  1.20   15.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                    MPG
VEH                                  -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC     CO     CO2   NOxc     ECON
-----------------------------------------------------------------------
6251 76 FORD STAW 460 COLD TRANS     3.53   48.5   789.0  2.15     10.1
  IHC= 250 PPM HEXANE COLD STAB      2.14   55.1   697.9  1.92     11.2
  ICO[ACT] =  3.2 $CO HOT TRANS      1.33   16.8   683.0  2.55     12.4
  ICO[SPEC] = N/A $CO 75 FTP         2.21   43.3   712.6  2.14     11.3
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE

6252 76 FORD STAW 140 COLD TRANS     3.04   13.3   444.6  1.74     18.7
  IHC=  35 PPM HEXANE COLD STAB      0.78    5.0   464.2  1.16     18.7
  ICO[ACT] =  0.0 $CO HOT TRANS      1.61    6.9   383.7  1.86     22.2
  ICO[SPEC] = N/A $CO 75 FTP         1.47    7.2   438.2  1.47     19.5
  OTHER TESTS:        S/C SERIES     SULFATE

6253 76 FORD GRAN 250 COLD TRANS     1.18    3.4   623.4  2.82     14.0
  IHC=  20 PPM HEXANE COLD STAB      0.38    0.0   556.7  3.49     15.9
  ICO[ACT] =  0.0 $CO HOT TRANS      0.98    0.8   532.9  2.79     16.5
  ICO[SPEC] = N/A $CO 75 FTP         0.71    0.9   563.9  3.16     15.6
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE

6254 76 FORD GRAN 302 COLD TRANS     1.60    8.3   609.2  3.15     14.1
  IHC=  75 PPM HEXANE COLD STAB      0.73    0.2   588.1  2.11     15.0
  ICO[ACT] =  0.0 $CO HOT TRANS      0.98    2.1   543.5  2.75     16.1
  ICO[SPEC] = N/A $CO 75 FTP         0.98    2.4   580.3  2.50     15.1
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE

6255 76 FORD STAW 140 COLD TRANS     1.44   16.1   490.9  2.74     17.0
  IHC=  30 PPM HEXANE COLD STAB      0.36    3.0   452.4  1.66     19.4
  ICO[ACT] =  0.0 $CO HOT TRANS      0.46    2.3   423.6  2.82     20.7
  ICO[SPEC] = N/A $CO 75 FTP         0.61    5.5   452.5  2.20     19.2
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE

6256 76 FORD ELIT 351 COLD TRANS     1.26   26.3   736.6  1.84     11.4
  IHC= 160 PPM HEXANE COLD STAB      1.35   22.0   633.0  2.24     13.2
  ICO[ACT] =  1.4 $CO HOT TRANS      0.89   14.5   624.9  2.30     13.6
  ICO[SPEC] = N/A $CO 75 FTP         1.21   20.8   652.1  2.17     12.9
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE

6257 76 FORD MUST 171 COLD TRANS     1.94   18.2   500.0  3.24     16.6
  IHC= 240 PPM HEXANE COLD STAB      0.60    3.3   570.3  1.69     15.4
  ICO[ACT] =  0.1 $CO HOT TRANS      1.19    5.3   434.2  2.87     19.9
  ICO[SPEC] = N/A $CO 75 FTP         1.04    6.9   518.7  2.33     16.7
  OTHER TESTS:        S/C SERIES     REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                              MPG
VEH                                 -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC    CO    CO2    NOxc   ECON
-------------------------------------------------------------------
6258 76 FORD GRAN 250 COLD TRANS 0.56   4.9  770.4  1.85  11.4
  IHC=  12 PPM HEXANE COLD STAB  0.19   0.1  678.0  1.04  13.1
  ICO[ACT] =  0.0 $CO HOT TRANS  0.55   0.4  656.8  1.70  13.5
  ICO[SPEC] = N/A $CO 75 FTP     0.36   1.1  691.2  1.38  12.8
  OTHER TESTS:        S/C SERIES REVISED 3/M  SULFATE

6259 76 FORD PINT 140 COLD TRANS 3.60  18.5  418.7  2.31  19.3
  IHC=  20 PPM HEXANE COLD STAB  0.81   2.5  434.0  1.35  20.2
  ICO[ACT] =  0.0 $CO HOT TRANS  1.34   6.5  370.6  2.51  23.0
  ICO[SPEC] = N/A $CO 75 FTP     1.53   6.9  413.5  1.87  20.7
  OTHER TESTS:        S/C SERIES REVISED 3/M  SULFATE

6260 76 FORD STAW 400 COLD TRANS 1.02  22.8  824.5  1.56  10.3
  IHC=  33 PPM HEXANE COLD STAB  0.45   2.6  757.4  1.60  11.6
  ICO[ACT] =  0.0 $CO HOT TRANS  1.02   9.9  686.9  2.11  12.6
  ICO[SPEC] = N/A $CO 75 FTP     0.72   8.7  752.0  1.73  11.6
  OTHER TESTS:        S/C SERIES REVISED 3/M  SULFATE

6261 76 FORD TORI 351 COLD TRANS 1.28  19.2  727.5  1.91  11.7
  IHC=  40 PPM HEXANE COLD STAB  0.48   1.8  627.4  1.76  14.0
  ICO[ACT] =  0.0 $CO HOT TRANS  0.72   4.7  613.2  2.49  14.2
  ICO[SPEC] = N/A $CO 75 FTP     0.71   6.2  644.1  1.99  13.5
  OTHER TESTS:        S/C SERIES REVISED 3/M  SULFATE

6262 76 FORD LTD  400 COLD TRANS 0.70   8.8  816.0  1.42  10.7
  IHC=  25 PPM HEXANE COLD STAB  0.43   0.6  730.2  1.50  12.1
  ICO[ACT] =  0.0 $CO HOT TRANS  0.55   5.2  696.1  1.55  12.6
  ICO[SPEC] = N/A $CO 75 FTP     0.52   3.5  738.5  1.49  11.9
  OTHER TESTS:        S/C SERIES REVISED 3/M

6263 76 FORD MUST 171 COLD TRANS 2.11  31.5  419.7  1.99  18.6
  IHC=  43 PPM HEXANE COLD STAB  0.99   7.1  486.5  1.22  17.7
  ICO[ACT] =  0.0 $CO HOT TRANS  1.28  15.3  396.8  1.59  20.9
  ICO[SPEC] = N/A $CO 75 FTP     1.30  14.4  448.3  1.48  18.7
  OTHER TESTS:        S/C SERIES SULFATE

6264 76 FORD LTD  400 COLD TRANS 0.96   5.5  769.5  2.46  11.4
  IHC= 500 PPM HEXANE COLD STAB  0.32   0.1  777.2  2.30  11.4
  ICO[ACT] =  0.0 $CO HOT TRANS  0.43   2.6  659.9  2.91  13.3
  ICO[SPEC] = N/A $CO 75 FTP     0.48   1.9  743.6  2.50  11.9
  OTHER TESTS:        S/C SERIES REVISED 3/M  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                 MPG
VEH                                  -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO    CO2    NOxc   ECON
----------------------------------------------------------------------
6265 76 FORD ELIT 351 COLD TRANS    1.68   20.5  665.9  3.97   12.6
  IHC=  40 PPM HEXANE COLD STAB     1.21   15.5  632.9  2.86   13.4
  ICO[ACT] =  0.1 %CO HOT TRANS     1.12    7.6  573.3  3.88   15.1
  ICO[SPEC] = N/A %CO 75 FTP        1.28   14.4  623.4  3.37   13.7
  OTHER TESTS:        S/C SERIES    REVISED 3/M  SULFATE

6266 76 FORD GRAN 302 COLD TRANS    1.99   17.7  701.9  4.60   12.1
  IHC= 100 PPM HEXANE COLD STAB     0.73    0.2  644.8  4.04   13.7
  ICO[ACT] =  0.0 %CO HOT TRANS     0.98    3.2  602.4  4.08   14.5
  ICO[SPEC] = N/A %CO 75 FTP        1.06    4.6  645.0  4.17   13.5
  OTHER TESTS:        S/C SERIES    REVISED 3/M  SULFATE

6267 76 FORD MUST 140 COLD TRANS    0.84   13.3  523.7  2.72   16.2
  IHC=  33 PPM HEXANE COLD STAB     0.34    0.4  460.4  1.44   19.2
  ICO[ACT] =  0.0 %CO HOT TRANS     0.41    1.3  416.5  2.88   21.1
  ICO[SPEC] = N/A %CO 75 FTP        0.46    3.3  461.4  2.10   19.0
  OTHER TESTS:        S/C SERIES    REVISED 3/M  SULFATE

6268 76 LINC MRK4 460 COLD TRANS    0.86   24.5  945.8  1.45    9.0
  IHC=  25 PPM HEXANE COLD STAB     0.24    2.9  926.2  1.24    9.5
  ICO[ACT] =  0.1 %CO HOT TRANS     0.90    7.2  811.4  1.63   10.8
  ICO[SPEC] = N/A %CO 75 FTP        0.55    8.5  898.9  1.39    9.7
  OTHER TESTS:        S/C SERIES    REVISED 3/M  SULFATE

6269 76 LINC MRK4 460 COLD TRANS    2.41   21.7  924.0  1.37    9.2
  IHC= 240 PPM HEXANE COLD STAB     1.37    2.3  847.1  1.21   10.4
  ICO[ACT] =  0.5 %CO HOT TRANS     1.95    5.1  773.9  1.57   11.3
  ICO[SPEC] = N/A %CO 75 FTP        1.74    7.0  843.0  1.34   10.3
  OTHER TESTS:        S/C SERIES    REVISED 3/M  SULFATE

6270 76 MERC MONA 302 COLD TRANS    1.60    9.9  627.0  2.42   13.7
  IHC=  50 PPM HEXANE COLD STAB     0.63    0.2  593.5  1.71   14.9
  ICO[ACT] =  0.0 %CO HOT TRANS     0.82    2.7  547.1  2.20   16.0
  ICO[SPEC] = N/A %CO 75 FTP        0.88    2.9  587.7  1.99   14.9
  OTHER TESTS:        S/C SERIES    REVISED 3/M  SULFATE

6271 76 MERC MARQ 400 COLD TRANS    0.86   21.2  795.4  2.00   10.7
  IHC=  27 PPM HEXANE COLD STAB     0.38    0.7  741.7  2.39   11.9
  ICO[ACT] =  0.0 %CO HOT TRANS     0.54   17.4  690.2  2.53   12.3
  ICO[SPEC] = N/A %CO 75 FTP        0.52    9.5  738.7  2.35   11.8
  OTHER TESTS:        S/C SERIES    REVISED 3/M  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                 MPG
VEH                                     -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC    CO    CO2    NOxc    ECON
---------------------------------------------------------------------
6272 76 MERC MONA 302 COLD TRANS   1.98  16.3  695.2  2.09  12.2
  IHC=  30 PPM HEXANE COLD STAB    0.67   0.5  700.7  1.37  12.6
  ICO[ACT] =  0.1 %CO HOT TRANS    0.80   2.8  627.2  1.95  14.0
  ICO[SPEC] = N/A %CO 75 FTP       0.98   4.4  679.5  1.67  12.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6273 76 MERC MONG 400 COLD TRANS   1.53  26.3  766.8  1.43  10.9
  IHC= 540 PPM HEXANE COLD STAB    0.93  14.4  722.2  1.18  11.9
  ICO[ACT] = 10.0 %CO HOT TRANS    0.95  13.8  651.4  1.69  13.1
  ICO[SPEC] = N/A %CO 75 FTP       1.06  16.7  712.1  1.37  12.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6274 76 MERC MONA 302 COLD TRANS   1.34  11.3  621.2  2.98  13.8
  IHC=  20 PPM HEXANE COLD STAB    0.52   0.3  631.4  2.15  14.0
  ICO[ACT] =  0.0 %CO HOT TRANS    0.86   2.8  537.7  2.93  16.3
  ICO[SPEC] = N/A %CO 75 FTP       0.79   3.3  603.7  2.53  14.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6275 76 OLDS CUTL 350 COLD TRANS   3.46  40.8  587.4  1.91  13.4
  IHC= 460 PPM HEXANE COLD STAB    1.88  42.5  536.3  1.08  14.6
  ICO[ACT] =  6.9 %CO HOT TRANS    1.45  20.9  524.8  1.90  15.8
  ICO[SPEC] = N/A %CO 75 FTP       2.09  36.3  543.7  1.47  14.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6276 76 OLDS CUTL 350 COLD TRANS   2.58  27.2  613.6  2.42  13.4
  IHC=  20 PPM HEXANE COLD STAB    0.79   7.3  570.2  1.30  15.2
  ICO[ACT] =  0.0 %CO HOT TRANS    0.65   4.3  538.8  2.39  16.2
  ICO[SPEC] = N/A %CO 75 FTP       1.12  10.6  570.6  1.83  15.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6277 76 OLDS OMEG 260 COLD TRANS   1.39  20.7  552.4  3.42  15.1
  IHC=  95 PPM HEXANE COLD STAB    0.20   1.3  528.4  1.86  16.7
  ICO[ACT] =  0.0 %CO HOT TRANS    1.04   8.9  481.4  2.98  17.8
  ICO[SPEC] = N/A %CO 75 FTP       0.67   7.4  520.5  2.48  16.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE

6278 76 OLDS CUTL 260 COLD TRANS   1.16  13.2  605.3  4.56  14.1
  IHC=  15 PPM HEXANE COLD STAB    0.10   0.1  552.7  2.59  16.0
  ICO[ACT] =  0.0 %CO HOT TRANS    0.35   6.4  509.6  3.72  17.0
  ICO[SPEC] = N/A %CO 75 FTP       0.39   4.5  551.8  3.31  15.8
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                            MPG
VEH                              -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO    CO2   NOxc  ECON
---------------------------------------------------------------
6279 76 OLDS NNTY 455 COLD TRANS  1.61   9.7  698.7  2.23  12.3
  IHC=  15 PPM HEXANE COLD STAB   0.22   1.2  678.6  1.52  13.0
  ICO[ACT] =  0.0 $CO HOT TRANS   0.58   3.2  626.2  2.33  14.0
  ICO[SPEC] = N/A $CO 75 FTP      0.60   3.5  668.5  1.89  13.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M

6280 76 OLDS CUTL 350 COLD TRANS  1.67  11.3  642.8  2.27  13.3
  IHC=  20 PPM HEXANE COLD STAB   0.16   0.0  612.1  1.20  14.5
  ICO[ACT] =  0.0 $CO HOT TRANS   0.59   1.3  561.4  2.09  15.7
  ICO[SPEC] = N/A $CO 75 FTP      0.59   2.7  604.6  1.67  14.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6281 76 OLDS STAW 350 COLD TRANS  1.37  13.7  669.0  2.09  12.8
  IHC=  20 PPM HEXANE COLD STAB   0.16   0.6  615.9  1.91  14.4
  ICO[ACT] =  0.0 $CO HOT TRANS   0.56   9.0  576.5  1.96  15.0
  ICO[SPEC] = N/A $CO 75 FTP      0.52   5.6  616.0  1.96  14.2
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6282 76 OLDS CUTL 350 COLD TRANS  1.67  17.8  576.8  6.46  14.5
  IHC= 315 PPM HEXANE COLD STAB   0.68   6.4  547.0  4.20  15.9
  ICO[ACT] =  1.6 $CO HOT TRANS   0.59   4.7  516.9  6.84  16.9
  ICO[SPEC] = N/A $CO 75 FTP      0.86   8.3  544.9  5.39  15.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6283 76 OLDS NNTY 455 COLD TRANS  2.74  21.6  750.7  2.11  11.2
  IHC=  12 PPM HEXANE COLD STAB   0.19   0.5  720.9  2.13  12.3
  ICO[ACT] =  0.0 $CO HOT TRANS   0.45   6.4  664.0  2.31  13.1
  ICO[SPEC] = N/A $CO 75 FTP      0.78   6.5  711.5  2.18  12.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6284 76 PLYM STAW 318 COLD TRANS  5.56  76.9  598.2  2.78  12.0
  IHC= 685 PPM HEXANE COLD STAB   5.40  99.1  523.8  1.72  12.7
  ICO[ACT] = 10.0 $CO HOT TRANS   3.38  45.4  532.3  2.84  14.4
  ICO[SPEC]=  0.5 $CO 75 FTP      4.88  79.9  541.4  2.24  13.0
  OTHER TESTS:        S/C SERIES  SULFATE

6285 76 PLYM VOLA 318 COLD TRANS  3.51  40.1  578.7  2.82  13.6
  IHC= 350 PPM HEXANE COLD STAB   3.33  42.7  550.4  2.02  14.1
  ICO[ACT] =  3.7 $CO HOT TRANS   2.11  18.3  534.2  2.99  15.6
  ICO[SPEC] = N/A $CO 75 FTP      3.03  35.5  551.8  2.45  14.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                    -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc    ECON
-----------------------------------------------------------------------
6286 76 PLYM FURY 360 COLD TRANS   2.31   45.3   640.7   3.13   12.3
  IHC= 120 PPM HEXANE COLD STAB    1.28   34.1   670.7   1.44   12.2
  ICO[ACT] =  2.9 %CO HOT TRANS    0.88   18.6   585.5   3.01   14.4
  ICO[SPEC] = N/A %CO 75 FTP       1.38   32.2   641.3   2.21   12.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6287 76 PLYM STAW 225 COLD TRANS   4.88   57.5   440.6   3.47   16.2
  IHC= 358 PPM HEXANE COLD STAB    2.85   44.5   432.3   1.69   17.4
  ICO[ACT] =  8.0 %CO HOT TRANS    2.66   34.1   374.5   2.60   20.3
  ICO[SPEC]=  0.4 %CO 75 FTP       3.22   44.3   418.3   2.31   17.8
  OTHER TESTS:        S/C SERIES  SULFATE

6288 76 PLYM STAW 318 COLD TRANS   3.87   42.6   618.1   2.26   12.7
  IHC= 340 PPM HEXANE COLD STAB    3.61   51.9   557.2   1.11   13.7
  ICO[ACT] =  5.5 %CO HOT TRANS    2.06   21.3   581.4   1.95   14.3
  ICO[SPEC] = N/A %CO 75 FTP       3.24   41.6   576.3   1.58   13.6
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6289 76 PLYM VOLA 225 COLD TRANS   3.24   53.1   479.5   7.44   15.5
  IHC= 380 PPM HEXANE COLD STAB    2.62   47.9   415.2   5.80   17.8
  ICO[ACT] =  7.2 %CO HOT TRANS    1.68   22.4   411.9   8.54   19.6
  ICO[SPEC] = N/A %CO 75 FTP       2.49   42.0   427.5   6.89   17.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6290 76 PLYM VOLA 225 COLD TRANS   2.02   39.9   486.9   7.46   16.0
  IHC= 205 PPM HEXANE COLD STAB    1.18   12.3   439.2   6.05   19.2
  ICO[ACT] =  2.1 %CO HOT TRANS    1.21    8.4   424.3   8.40   20.1
  ICO[SPEC]=  0.3 %CO 75 FTP       1.36   16.9   445.0   6.98   18.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M

6291 76 PONT STAW 140 COLD TRANS   7.25   69.1   406.0   3.12   16.5
  IHC=1400 PPM HEXANE COLD STAB    8.42   93.3   440.8   1.94   14.5
  ICO[ACT] = 10.0 %CO HOT TRANS    5.64   58.7   357.5   3.32   19.0
  ICO[SPEC] = N/A %CO 75 FTP       7.42   78.9   410.9   2.56   15.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6292 76 PONT CATA 400 COLD TRANS   3.19   61.4   658.3   2.76   11.6
  IHC= 320 PPM HEXANE COLD STAB    2.84   71.6   594.2   1.53   12.4
  ICO[ACT] =  6.4 %CO HOT TRANS    2.07   40.2   579.0   2.56   13.7
  ICO[SPEC] = N/A %CO 75 FTP       2.70   60.9   603.2   2.06   12.5
  OTHER TESTS:        S/C SERIES  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                  MPG
VEH                               -----GRAMS PER MILE-----       FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO    CO2   NOxc       ECON
---------------------------------------------------------------------
6293 76 PONT LEMA 350 COLD TRANS  1.70  30.1  650.1  4.06  12.6
  IHC=  18 PPM HEXANE COLD STAB   0.20   3.2  632.3  2.97  13.9
  ICO[ACT] =  0.0 $CO HOT TRANS   0.59  10.6  573.0  3.96  15.0
  ICO[SPEC] = N/A $CO 75 FTP      0.62  10.8  619.8  3.47  13.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M

6294 76 PONT VENT 260 COLD TRANS  1.70   9.8  598.1  2.82  14.3
  IHC=  20 PPM HEXANE COLD STAB   0.13   0.1  558.3  1.56  15.9
  ICO[ACT] =  0.0 $CO HOT TRANS   0.35   5.7  510.0  2.18  17.1
  ICO[SPEC] = N/A $CO 75 FTP      0.51   3.6  553.3  1.99  15.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6295 76 PONT BONN 400 COLD TRANS  1.13  27.7  889.5  1.69   9.5
  IHC=  20 PPM HEXANE COLD STAB   0.10   0.5  850.6  1.12  10.4
  ICO[ACT] =  0.1 $CO HOT TRANS   0.35   5.9  778.0  1.82  11.3
  ICO[SPEC] = N/A $CO 75 FTP      0.38   7.6  838.8  1.43  10.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6296 76 PONT GRNP 350 COLD TRANS  2.40  33.9  695.9  1.15  11.7
  IHC=  20 PPM HEXANE COLD STAB   0.51   6.2  719.9  0.67  12.1
  ICO[ACT] =  0.2 $CO HOT TRANS   0.80  19.4  642.9  1.03  13.1
  ICO[SPEC] = N/A $CO 75 FTP      0.98  15.5  694.0  0.87  12.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6297 76 PONT LEMA 350 COLD TRANS  2.85  27.7  662.2  3.97  12.4
  IHC=   9 PPM HEXANE COLD STAB   0.12   1.1  630.2  3.32  14.0
  ICO[ACT] =  0.0 $CO HOT TRANS   0.42   4.3  574.8  4.31  15.2
  ICO[SPEC] = N/A $CO 75 FTP      0.76   7.4  621.7  3.73  14.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6298 76 PONT VENT 250 COLD TRANS  2.13  29.8  516.3  3.96  15.6
  IHC=  28 PPM HEXANE COLD STAB   0.20   1.7  535.8  3.00  16.5
  ICO[ACT] =  0.0 $CO HOT TRANS   0.32   2.2  460.7  3.43  19.1
  ICO[SPEC] = N/A $CO 75 FTP      0.63   7.6  511.3  3.31  16.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6299 76 CAPR GHIA 140 COLD TRANS  0.64  13.2  501.4  1.58  16.9
  IHC=  25 PPM HEXANE COLD STAB   0.14   2.8  496.9  0.45  17.7
  ICO[ACT] =  0.0 $CO HOT TRANS   0.32   3.8  431.5  1.12  20.2
  ICO[SPEC] = N/A $CO 75 FTP      0.29   5.2  480.0  0.87  18.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                             MPG
VEH                                 -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE   HC     CO    CO2    NOxc  ECON
-------------------------------------------------------------------
6300 76 COLT SEDA  97 COLD TRANS  2.11   37.5  369.3  3.09  20.4
  IHC= 315 PPM HEXANE COLD STAB   1.39   27.3  336.5  1.96  23.1
  ICO[ACT] =  2.9 %CO HOT TRANS   1.43   20.8  318.8  2.76  24.9
  ICO[SPEC] = N/A %CO 75 FTP      1.55   27.6  338.4  2.41  22.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M   SULFATE

6301 76 DATS B210  85 COLD TRANS  2.12   32.8  378.8  3.78  20.3
  IHC= 120 PPM HEXANE COLD STAB   1.42    8.2  313.8  2.50  26.8
  ICO[ACT] =  0.4 %CO HOT TRANS   1.34    8.8  317.3  3.42  26.5
  ICO[SPEC] = N/A %CO 75 FTP      1.54   13.4  328.1  3.02  25.1
  OTHER TESTS:        S/C SERIES

6302 76 DATS STAW 119 COLD TRANS  1.87   22.1  402.5  3.93  20.0
  IHC=  80 PPM HEXANE COLD STAB   1.50   14.6  392.7  2.00  21.1
  ICO[ACT] =  0.0 %CO HOT TRANS   1.70   13.2  342.6  3.82  24.1
  ICO[SPEC]=  2.0 %CO 75 FTP      1.63   15.8  381.0  2.90  21.6
  OTHER TESTS:        S/C SERIES  REVISED 3/M

6303 76 DATS B210  85 COLD TRANS  1.30   14.7  326.3  4.34  25.1
  IHC=  35 PPM HEXANE COLD STAB   0.82    4.0  323.4  2.43  26.7
  ICO[ACT] =  0.0 %CO HOT TRANS   0.96    5.7  290.8  4.25  29.3
  ICO[SPEC]=  2.0 %CO 75 FTP      0.95    6.7  315.1  3.32  27.0
  OTHER TESTS:        S/C SERIES  SULFATE

6304 76 FIAT X1/9  79 COLD TRANS  2.16   29.8  383.9  1.39  20.3
  IHC= 140 PPM HEXANE COLD STAB   1.47   24.5  406.4  0.64  19.7
  ICO[ACT] =  2.0 %CO HOT TRANS   1.63   27.4  348.0  1.16  22.4
  ICO[SPEC]=  2.5 %CO 75 FTP      1.65   26.4  385.9  0.94  20.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M

6305 76 FIAT 124  107 COLD TRANS  1.21   18.3  429.7  1.94  19.2
  IHC=  20 PPM HEXANE COLD STAB   0.53   13.9  441.7  0.88  19.1
  ICO[ACT] =  0.5 %CO HOT TRANS   0.65   14.0  366.1  1.70  22.7
  ICO[SPEC] = N/A %CO 75 FTP      0.70   14.8  418.6  1.32  20.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M

6306 76 HOND CIVI  76 COLD TRANS  2.03   24.5  306.4  2.76  25.3
  IHC=  80 PPM HEXANE COLD STAB   1.08   21.1  328.4  1.05  24.3
  ICO[ACT] =  1.3 %CO HOT TRANS   1.31   20.6  273.1  2.51  28.7
  ICO[SPEC]=  1.5 %CO 75 FTP      1.34   21.7  308.8  1.80  25.6
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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VEH                                                            MPG
                                 -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC    CO    CO2   NOxc    ECON
------------------------------------------------------------------
6307 76 HOND CIVI  91 COLD TRANS  2.29  11.5  320.1  2.68    25.7
  IHC= 110 PPM HEXANE COLD STAB   0.62   7.3  322.8  1.40    26.4
  ICO[ACT] =  0.5 %CO HOT TRANS   0.87   5.0  284.9  2.78    30.0
  ICO[SPEC]=  0.4 %CO 75 FTP      1.03   7.5  311.9  2.04    27.1
  OTHER TESTS:        S/C SERIES

6308 76 MAZD MIZE  78 COLD TRANS  2.88  17.0  290.6  3.17    27.2
  IHC= 140 PPM HEXANE COLD STAB   0.65   7.5  279.2  2.46    30.3
  ICO[ACT] =  1.2 %CO HOT TRANS   1.00  10.7  260.8  2.93    31.6
  ICO[SPEC] = N/A %CO 75 FTP      1.21  10.3  276.5  2.74    29.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE

6309 76 TOYO CELI 133 COLD TRANS  1.90  30.5  399.8  3.41    19.6
  IHC=  55 PPM HEXANE COLD STAB   0.85  16.7  442.5  1.20    18.8
  ICO[ACT] =  0.6 %CO HOT TRANS   2.58  12.0  366.2  3.10    22.6
  ICO[SPEC] = N/A %CO 75 FTP      1.54  18.3  412.9  2.17    19.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M

6310 76 TOYO CORO  97 COLD TRANS  2.01  20.6  375.4  3.65    21.4
  IHC=  65 PPM HEXANE COLD STAB   0.99  15.0  349.0  1.75    23.6
  ICO[ACT] =  0.8 %CO HOT TRANS   1.22  11.5  336.5  3.34    24.8
  ICO[SPEC] = N/A %CO 75 FTP      1.26  15.2  351.0  2.57    23.4
  OTHER TESTS:        S/C SERIES

6311 76 TOYO CELI 133 COLD TRANS  1.82  24.1  453.4  3.89    17.9
  IHC=  45 PPM HEXANE COLD STAB   0.54  10.3  501.5  1.52    17.1
  ICO[ACT] =  0.1 %CO HOT TRANS   1.09   8.8  405.2  3.84    21.0
  ICO[SPEC] = N/A %CO 75 FTP      0.96  12.7  465.3  2.64    18.2
  OTHER TESTS:        S/C SERIES

6312 76 TOYO STAW  97 COLD TRANS  1.92  22.0  359.0  3.23    22.2
  IHC= 120 PPM HEXANE COLD STAB   0.88  18.0  383.2  1.48    21.4
  ICO[ACT] =  1.1 %CO HOT TRANS   1.24  14.8  336.6  2.97    24.4
  ICO[SPEC] = N/A %CO 75 FTP      1.19  18.0  365.5  2.25    22.3
  OTHER TESTS:        S/C SERIES

6313 76 VOLK STAW  97 COLD TRANS  1.40   8.7  357.7  4.00    23.6
  IHC= 110 PPM HEXANE COLD STAB   1.08   8.9  371.5  2.33    22.8
  ICO[ACT] =  2.5 %CO HOT TRANS   1.01   5.6  318.7  4.30    26.8
  ICO[SPEC] = N/A %CO 75 FTP      1.13   8.0  354.3  3.21    24.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                      MPG
VEH                                    -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST  TYPE       HC     CO     CO2    NOxc     ECON
---------------------------------------------------------------------------
6314 76 VOLK RABB  97 COLD TRANS     1.47   60.7   411.9   1.21     17.3
  IHC= 480 PPM HEXANE COLD STAB      0.17    0.9   390.8   1.24     22.6
  ICO[ACT] =  9.4 %CO HOT TRANS      0.69    3.9   368.7   1.74     23.5
  ICO[SPEC]=  1.7 %CO 75 FTP         0.58   14.0   389.1   1.37     21.5
  OTHER TESTS:        S/C SERIES     REVISED 3/M

6315 76 VOLK SEDA  97 COLD TRANS     3.06   43.5   350.0   2.40     20.7
  IHC= 150 PPM HEXANE COLD STAB      2.25   25.7   380.4   1.84     20.7
  ICO[ACT] =  2.3 %CO HOT TRANS      2.06   21.1   320.0   2.08     24.7
  ICO[SPEC]=  1.5 %CO 75 FTP         2.36   28.1   357.7   2.02     21.7
  OTHER TESTS:        S/C SERIES

6316 76 VOLV 264G 163 COLD TRANS     1.68   14.5   602.5   3.32     14.1
  IHC= 200 PPM HEXANE COLD STAB      0.45    0.6   602.1   2.09     14.7
  ICO[ACT] =  0.0 %CO HOT TRANS      0.48    2.1   533.3   2.75     16.5
  ICO[SPEC]=  0.3 %CO 75 FTP         0.71    3.9   583.4   2.52     15.0
  OTHER TESTS:        S/C SERIES     REVISED 3/M  SULFATE

6710 76 MERB 300D 183 COLD TRANS     0.44    1.0   504.6   1.83     20.0
  IHC=  14 PPM HEXANE COLD STAB      0.28    1.1   409.8   1.58     24.7
  ICO[ACT] =  0.0 %CO HOT TRANS      0.17    0.8   428.9   1.67     23.6
  ICO[SPEC] = N/A %CO 75 FTP         0.28    1.0   434.5   1.66     23.3
  OTHER TESTS:        MODAL  HFET     DIESEL

6713 77 MERB 300D 183 COLD TRANS     0.31    1.1   547.7   1.79     18.5
  IHC=  15 PPM HEXANE COLD STAB      0.30    1.2   433.9   1.56     23.3
  ICO[ACT] =  0.0 %CO HOT TRANS      0.15    1.0   436.2   1.59     23.2
  ICO[SPEC] = N/A %CO 75 FTP         0.26    1.1   458.0   1.61     22.1
  OTHER TESTS:        MODAL  HFET     DIESEL

6714 77 MERB 240D 147 COLD TRANS     0.23    1.0   484.5   1.76     20.9
  IHC=  11 PPM HEXANE COLD STAB      0.24    0.9   370.7   1.45     27.3
  ICO[ACT] =  0.0 %CO HOT TRANS      0.12    0.8   401.1   1.58     25.3
  ICO[SPEC] = N/A %CO 75 FTP         0.20    0.9   402.4   1.55     25.2
  OTHER TESTS:        MODAL  HFET     DIESEL

5052 75 AMC  STAW 258 COLD TRANS     3.07   22.6   496.5   5.78     16.4
  IHC= 140 PPM HEXANE COLD STAB      1.87    8.5   470.9   3.98     18.1
  ICO[ACT] =  0.3 %CO HOT TRANS      1.80    6.9   432.4   5.68     19.8
  ICO[SPEC] = N/A %CO 75 FTP         2.10   11.0   465.7   4.81     18.1
  OTHER TESTS:        S/C SERIES     N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                               MPG
VEH                               -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST   TYPE   HC    CO    CO2    NOxc   ECON
--------------------------------------------------------------------
5053 75 BUIC CNTY 350 COLD TRANS  2.88  59.8  616.3  3.25  12.3
  IHC=  50 PPM HEXANE COLD STAB   0.93  16.1  616.2  2.77  13.8
  ICO[ACT] =  0.1 %CO HOT TRANS   1.27  19.6  559.6  3.98  14.9
  ICO[SPEC] = N/A %CO 75 FTP      1.42  26.0  600.8  3.20  13.7
  OTHER TESTS:           S/C SERIES  SULFATE  N.Y. CITY

5054 75 BUIC LESA 350 COLD TRANS  2.40  58.5  723.7  2.66  10.8
  IHC= 100 PPM HEXANE COLD STAB   2.28  67.8  656.0  1.28  11.5
  ICO[ACT] =  5.0 %CO HOT TRANS   1.58  32.1  634.7  2.82  12.9
  ICO[SPEC] = N/A %CO 75 FTP      2.11  56.1  664.1  1.99  11.7
  OTHER TESTS:           S/C SERIES  REVISED 3/M  SULFATE  N.Y. CITY

5055 75 CADI DEVI 500 COLD TRANS  4.08  73.5  737.0  8.31  10.3
  IHC= 800 PPM HEXANE COLD STAB   4.58  98.7  639.7  5.74  11.0
  ICO[ACT] =  8.0 %CO HOT TRANS   3.06  61.6  628.0  7.20  12.1
  ICO[SPEC] = N/A %CO 75 FTP      4.06  83.4  656.6  6.67  11.1
  OTHER TESTS:           S/C SERIES  REVISED 3/M  SULFATE  N.Y. CITY

5056 75 CHEV VEGA 140 COLD TRANS  3.44  37.3  382.9  3.32  19.6
  IHC= 140 PPM HEXANE COLD STAB   1.41  20.8  421.4  2.64  19.4
  ICO[ACT] =  2.4 %CO HOT TRANS   1.64  17.6  347.1  3.80  23.4
  ICO[SPEC] = N/A %CO 75 FTP      1.89  23.3  393.2  3.10  20.4
  OTHER TESTS:           S/C SERIES  REVISED 3/M  SULFATE  N.Y. CITY

5057 75 CHEV MONT 350 COLD TRANS  1.60  20.4  645.0  2.85  13.0
  IHC=  20 PPM HEXANE COLD STAB   0.20   2.4  603.9  1.21  14.6
  ICO[ACT] =  0.0 %CO HOT TRANS   0.37   2.5  555.1  2.31  15.8
  ICO[SPEC] = N/A %CO 75 FTP      0.54   6.1  599.0  1.85  14.5
  OTHER TESTS:           S/C SERIES  SULFATE  N.Y. CITY

5058 75 CHEV IMPA 350 COLD TRANS  3.63  53.7  670.8  2.81  11.6
  IHC= 260 PPM HEXANE COLD STAB   2.81  41.5  620.7  1.20  12.8
  ICO[ACT] =  2.0 %CO HOT TRANS   1.49  21.6  598.2  2.47  13.9
  ICO[SPEC] = N/A %CO 75 FTP      2.62  38.6  624.9  1.88  12.8
  OTHER TESTS:           S/C SERIES  SULFATE  N.Y. CITY

5059 75 CHEV CAPR 400 COLD TRANS  1.40  24.7  709.5  4.21  11.8
  IHC=  32 PPM HEXANE COLD STAB   0.30   0.0  682.1  2.70  13.0
  ICO[ACT] =  0.0 %CO HOT TRANS   0.49   1.2  629.1  4.56  14.0
  ICO[SPEC] = N/A %CO 75 FTP      0.58   5.4  673.2  3.52  13.0
  OTHER TESTS:           S/C SERIES  SULFATE  N.Y. CITY
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                      MPG
VEH                                       -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC      CO     CO2    NOxc   ECON
------------------------------------------------------------------------
5060 75 CHEV NOVA 250 COLD TRANS  3.44   35.4  467.0  4.20  16.6
  IHC= 330 PPM HEXANE COLD STAB   1.48   20.9  409.7  2.22  19.8
  ICO[ACT] =  5.4 %CO HOT TRANS   1.18   11.0  402.4  3.26  21.0
  ICO[SPEC] = N/A %CO 75 FTP      1.80   21.2  419.5  2.91  19.4
  OTHER TESTS:        S/C SERIES  SULFATE  N.Y. CITY

5061 75 CHRY NEWP 400 COLD TRANS  3.18   77.9  662.7  2.01  11.2
  IHC= 140 PPM HEXANE COLD STAB   1.97   70.1  709.7  0.89  10.7
  ICO[ACT] =  4.4 %CO HOT TRANS   1.57   50.2  628.0  1.87  12.5
  ICO[SPEC] = N/A %CO 75 FTP      2.11   66.3  677.7  1.39  11.3
  OTHER TESTS:        S/C SERIES  SULFATE  N.Y. CITY

5062 75 DODG DART 318 COLD TRANS  4.47   59.7  617.4  7.82  12.2
  IHC= 215 PPM HEXANE COLD STAB   4.19   82.2  534.3  5.52  13.1
  ICO[ACT] =  7.0 %CO HOT TRANS   3.18   35.7  536.9  8.25  14.7
  ICO[SPEC]=  0.3 %CO 75 FTP      3.97   64.9  552.1  6.74  13.3
  OTHER TESTS:        S/C SERIES  N.Y. CITY

5063 75 FORD STAW 140 COLD TRANS  1.85   14.1  426.8  1.97  19.5
  IHC=  65 PPM HEXANE COLD STAB   0.55    1.3  415.2  1.45  21.2
  ICO[ACT] =  0.1 %CO HOT TRANS   0.92    4.5  361.2  1.97  23.9
  ICO[SPEC] = N/A %CO 75 FTP      0.92    4.8  402.8  1.70  21.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE  N.Y. CITY

5064 75 FORD STAW 351 COLD TRANS  1.31   18.3  778.2  3.07  10.9
  IHC=  40 PPM HEXANE COLD STAB   1.02   10.4  809.1  1.53  10.7
  ICO[ACT] =  0.1 %CO HOT TRANS   1.16   11.3  681.3  2.88  12.6
  ICO[SPEC] = N/A %CO 75 FTP      1.12   12.3  767.9  2.21  11.2
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE  N.Y. CITY

5065 75 FORD LTD  400 COLD TRANS  2.43   31.8  784.2  3.93  10.5
  IHC= 130 PPM HEXANE COLD STAB   1.89   20.7  756.4  1.83  11.2
  ICO[ACT] =  0.9 %CO HOT TRANS   1.90   14.1  668.5  3.25  12.7
  ICO[SPEC] = N/A %CO 75 FTP      2.00   21.2  738.1  2.65  11.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

5066 75 FORD GRAN 250 COLD TRANS  1.90   16.5  488.7  2.32  17.0
  IHC=  30 PPM HEXANE COLD STAB   0.36    1.5  474.4  1.26  18.6
  ICO[ACT] =  0.0 %CO HOT TRANS   1.17    9.7  419.0  2.27  20.3
  ICO[SPEC] = N/A %CO 75 FTP      0.90    6.8  462.2  1.75  18.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE  N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                MPG
VEH                                  -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2   NOxc  ECON
-------------------------------------------------------------------
5067 75 FORD GRAN 302 COLD TRANS   4.64   32.0   618.9  5.98  13.0
  IHC= 240 PPM HEXANE COLD STAB    2.65   22.8   653.6  2.50  12.7
  ICO[ACT] =  4.0 %CO HOT TRANS    2.21   14.8   566.6  5.67  14.9
  ICO[SPEC] = N/A %CO 75 FTP       2.94   22.5   622.7  4.08  13.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE  N.Y. CITY

5068 75 MERC MARQ 460 COLD TRANS   1.54   39.5   824.8  4.56  10.0
  IHC= 190 PPM HEXANE COLD STAB    0.77   46.2   862.7  2.00   9.5
  ICO[ACT] =  7.4 %CO HOT TRANS    0.99   25.4   742.7  4.85  11.3
  ICO[SPEC] = N/A %CO 75 FTP       0.99   39.2   822.1  3.30  10.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE  N.Y. CITY

5069 75 OLDS CUTL 350 COLD TRANS   1.52   12.7   636.9  2.44  13.4
  IHC=  40 PPM HEXANE COLD STAB    0.39    0.9   571.7  2.07  15.5
  ICO[ACT] =  0.0 %CO HOT TRANS    0.64    4.7   544.5  2.36  16.0
  ICO[SPEC] = N/A %CO 75 FTP       0.69    4.4   577.7  2.23  15.1
  OTHER TESTS:        S/C SERIES   SULFATE  N.Y. CITY

5070 75 OLDS DELT 455 COLD TRANS   2.58   45.9   705.1  2.28  11.3
  IHC=  40 PPM HEXANE COLD STAB    0.42    2.1   656.8  1.34  13.4
  ICO[ACT] =  0.0 %CO HOT TRANS    0.39    2.5   621.1  2.12  14.2
  ICO[SPEC] = N/A %CO 75 FTP       0.86   11.2   657.0  1.75  13.1
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE  N.Y. CITY

5071 75 PLYM VALI 225 COLD TRANS   0.92   19.1   548.3  8.10  15.3
  IHC=  24 PPM HEXANE COLD STAB    0.19    0.4   493.7  5.80  17.9
  ICO[ACT] =  0.0 %CO HOT TRANS    0.40    2.1   466.3  7.56  18.9
  ICO[SPEC] = N/A %CO 75 FTP       0.40    4.7   497.5  6.75  17.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M  SULFATE  N.Y. CITY

5072 75 PLYM VALI 318 COLD TRANS  19.67  234.0   705.4  0.84   7.8
  IHC=  22 PPM HEXANE COLD STAB    0.44    3.7   730.3  1.58  12.0
  ICO[ACT] =  0.0 %CO HOT TRANS    0.67    6.9   654.8  1.78  13.3
  ICO[SPEC]=  0.5 %CO 75 FTP       4.46   52.0   704.6  1.48  11.1
  OTHER TESTS:        S/C SERIES   SULFATE  N.Y. CITY

5073 75 PONT STAW 400 COLD TRANS   3.45   50.2   767.6  3.23  10.4
  IHC= 550 PPM HEXANE COLD STAB    2.48   36.8   681.8  2.76  11.9
  ICO[ACT] =  2.5 %CO HOT TRANS    2.33   23.5   659.5  3.88  12.6
  ICO[SPEC] = N/A %CO 75 FTP       2.64   35.9   693.4  3.16  11.7
  OTHER TESTS:        S/C SERIES   SULFATE  N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                        MPG
VEH                                       -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST   TYPE      HC     CO     CO2    NOxc   ECON
-----------------------------------------------------------------------------
5074 75 PONT CATA 400 COLD TRANS     2.89   51.0   691.2   7.22   11.4
  IHC= 230 PPM HEXANE COLD STAB      1.88   30.4   646.5   2.33   12.7
  ICO[ACT] =  3.1 %CO HOT TRANS      1.43   13.0   633.6   3.07   13.5
  ICO[SPEC] = N/A %CO 75 FTP         1.97   29.9   652.2   3.54   12.6
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE  N.Y. CITY

5075 75 DATS SEDA  85 COLD TRANS     2.00   22.5   335.2   4.56   23.5
  IHC= 100 PPM HEXANE COLD STAB      1.80   10.2   314.3   1.97   26.4
  ICO[ACT] =  0.7 %CO HOT TRANS      1.81   10.1   288.2   3.91   28.6
  ICO[SPEC] = N/A %CO 75 FTP         1.85   12.7   311.5   3.03   26.3
  OTHER TESTS:        S/C SERIES     REVISED 3/M   N.Y. CITY

5076 75 TOYO CORO 133 COLD TRANS     1.73   29.3   472.2   5.41   16.9
  IHC=  35 PPM HEXANE COLD STAB      0.62   17.3   437.3   2.01   19.0
  ICO[ACT] =  0.6 %CO HOT TRANS      0.84   11.5   415.5   4.96   20.3
  ICO[SPEC] = N/A %CO 75 FTP         0.91   18.2   438.5   3.51   18.9
  OTHER TESTS:        S/C SERIES     REVISED 3/M   N.Y. CITY

5077 75 TOYO CORO 133 COLD TRANS     2.23   18.4   443.0   5.29   18.5
  IHC=  50 PPM HEXANE COLD STAB      1.26   11.0   476.8   1.93   17.8
  ICO[ACT] =  0.9 %CO HOT TRANS      1.31    7.3   394.2   4.33   21.7
  ICO[SPEC] = N/A %CO 75 FTP         1.47   11.5   447.3   3.27   18.9
  OTHER TESTS:        S/C SERIES     REVISED 3/M   N.Y. CITY

5078 75 VOLK RABB  90 COLD TRANS     4.25   75.1   329.2   1.91   19.3
  IHC=  55 PPM HEXANE COLD STAB      1.73   38.1   325.8   1.21   22.7
  ICO[ACT] =  0.8 %CO HOT TRANS      2.17   37.9   278.8   1.77   25.7
  ICO[SPEC] = N/A %CO 75 FTP         2.37   45.7   313.7   1.51   22.6
  OTHER TESTS:        S/C SERIES     REVISED 3/M   N.Y. CITY

5079 75 VOLK RABB  90 COLD TRANS     1.05   16.9   359.3   3.06   22.8
  IHC=  25 PPM HEXANE COLD STAB      0.45    0.7   359.3   2.29   24.5
  ICO[ACT] =  0.1 %CO HOT TRANS      0.45    2.4   315.5   2.68   27.7
  ICO[SPEC] = N/A %CO 75 FTP         0.57    4.5   347.3   2.56   24.9
  OTHER TESTS:        S/C SERIES     REVISED 3/M   SULFATE  N.Y. CITY

5317 75 AMC  HORN 304 COLD TRANS     1.38   33.6   616.7   2.56   13.2
  IHC=  20 PPM HEXANE COLD STAB      0.22    0.1   625.0   2.32   14.2
  ICO[ACT] =  0.0 %CO HOT TRANS      0.34    2.3   563.2   2.32   15.6
  ICO[SPEC] = N/A %CO 75 FTP         0.49    7.6   606.5   2.37   14.3
  OTHER TESTS:        S/C SERIES     SULFATE  N.Y. CITY
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                   -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC    CO     CO2    NOxc    ECON
-----------------------------------------------------------------------
5318 75 BUIC LESA 350 COLD TRANS    1.63  45.6   732.9  2.01    11.0
  IHC=  35 PPM HEXANE COLD STAB     0.65  22.5   678.2  0.69    12.4
  ICO[ACT] =  0.0 %CO HOT TRANS     0.91  22.3   619.0  1.49    13.5
  ICO[SPEC] = N/A %CO 75 FTP        0.92  27.2   673.3  1.18    12.3
  OTHER TESTS:        S/C SERIES    REVISED 3/M   SULFATE  N.Y. CITY

5319 76 CADI SEVI 350 COLD TRANS    1.28  18.7   707.6  2.44    12.0
  IHC=  10 PPM HEXANE COLD STAB     0.19   0.2   697.7  1.15    12.7
  ICO[ACT] =  0.0 %CO HOT TRANS     0.38   0.7   635.2  2.20    13.9
  ICO[SPEC] = N/A %CO 75 FTP        0.47   4.1   682.7  1.70    12.9
  OTHER TESTS:        S/C SERIES    REVISED 3/M   SULFATE  N.Y. CITY

5320 75 CHEV STAW 140 COLD TRANS    3.15  62.0   430.0  1.65    16.5
  IHC= 195 PPM HEXANE COLD STAB     0.74  13.8   406.8  0.94    20.6
  ICO[ACT] =  2.5 %CO HOT TRANS     0.73  13.1   377.8  1.57    22.1
  ICO[SPEC] = N/A %CO 75 FTP        1.23  23.5   403.6  1.26    20.0
  OTHER TESTS:        S/C SERIES    SULFATE  N.Y. CITY

5321 75 CHEV CAMA 350 COLD TRANS    1.68  24.9   656.6  4.38    12.7
  IHC=  35 PPM HEXANE COLD STAB     0.38   0.0   621.4  2.10    14.3
  ICO[ACT] =  0.0 %CO HOT TRANS     0.79   2.6   575.6  3.95    15.2
  ICO[SPEC] = N/A %CO 75 FTP        0.76   5.9   616.2  3.08    14.1
  OTHER TESTS:        S/C SERIES    REVISED 3/M   SULFATE  N.Y. CITY

5322 75 CHEV NOVA 262 COLD TRANS    1.61  24.0   555.3  3.06    14.8
  IHC=  20 PPM HEXANE COLD STAB     0.30   0.0   506.9  2.52    17.5
  ICO[ACT] =  0.0 %CO HOT TRANS     0.48   0.7   473.5  2.63    18.6
  ICO[SPEC] = N/A %CO 75 FTP        0.62   5.1   507.7  2.66    17.1
  OTHER TESTS:        S/C SERIES    REVISED 3/M   SULFATE  N.Y. CITY

5323 75 CHEV MONT 350 COLD TRANS    5.80 128.4   601.5  3.37    10.8
  IHC= 165 PPM HEXANE COLD STAB     3.54  69.8   654.2  2.03    11.5
  ICO[ACT] =  2.5 %CO HOT TRANS     2.58  45.3   576.4  3.51    13.5
  ICO[SPEC] = N/A %CO 75 FTP        3.74  75.2   622.1  2.71    11.8
  OTHER TESTS:        S/C SERIES    SULFATE  N.Y. CITY

5324 75 CHEV MONT 454 COLD TRANS    1.53  29.6   715.7  4.01    11.6
  IHC=  20 PPM HEXANE COLD STAB     0.20   0.5   781.3  1.93    11.3
  ICO[ACT] =  0.0 %CO HOT TRANS     0.76   3.0   678.6  3.38    12.9
  ICO[SPEC] = N/A %CO 75 FTP        0.63   7.1   739.8  2.75    11.8
  OTHER TESTS:        S/C SERIES    N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                     MPG
VEH                                       -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2     NOxc    ECON
-----------------------------------------------------------------------
5325 75 DODG DART 225 COLD TRANS   2.57   36.3   486.3    4.30    16.1
  IHC= 200 PPM HEXANE COLD STAB    1.99   39.4   418.4    2.59    18.2
  ICO[ACT] =  6.1 $CO HOT TRANS    1.36   18.4   405.9    3.25    20.2
  ICO[SPEC] = N/A $CO 75 FTP       1.94   33.0   429.0    3.12    18.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE   N.Y. CITY

5326 75 FORD STAW 171 COLD TRANS   7.26   26.8   508.4    3.97    15.5
  IHC=  45 PPM HEXANE COLD STAB    0.72    2.3   503.0    2.40    17.4
  ICO[ACT] =  0.0 $CO HOT TRANS    1.48    4.2   450.4    3.44    19.2
  ICO[SPEC] = N/A $CO 75 FTP       2.28    7.9   489.7    3.01    17.4
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE   N.Y. CITY

5327 75 FORD LTD  400 COLD TRANS   1.68   17.9   919.4    3.22     9.3
  IHC=  17 PPM HEXANE COLD STAB    0.41    4.8   929.3    1.94     9.5
  ICO[ACT] =  0.1 $CO HOT TRANS    1.22   12.0   799.2    2.52    10.8
  ICO[SPEC] = N/A $CO 75 FTP       0.89    9.5   891.7    2.36     9.8
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

5328 75 FORD TORI 351 COLD TRANS   3.50   12.5   743.6    5.24    11.5
  IHC= 140 PPM HEXANE COLD STAB    1.70    2.6   713.1    2.23    12.3
  ICO[ACT] =  0.1 $CO HOT TRANS    1.70    3.6   651.3    4.17    13.4
  ICO[SPEC] = N/A $CO 75 FTP       2.07    4.9   702.5    3.38    12.4
  OTHER TESTS:        S/C SERIES   SULFATE  N.Y. CITY

5329 75 LINC CONT 460 COLD TRANS  11.17  192.0   761.7    2.68     8.1
  IHC=  75 PPM HEXANE COLD STAB    1.22   43.1   865.5    2.28     9.5
  ICO[ACT] =  1.7 $CO HOT TRANS    1.08   23.7   756.7    4.22    11.1
  ICO[SPEC] = N/A $CO 75 FTP       3.23   68.5   814.4    2.89     9.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE   N.Y. CITY

5330 75 MERC MONA 302 COLD TRANS   1.58   14.1   676.8    2.41    12.6
  IHC=  10 PPM HEXANE COLD STAB    0.55    0.6   681.5    1.85    13.0
  ICO[ACT] =  0.0 $CO HOT TRANS    1.03    3.3   593.9    2.23    14.7
  ICO[SPEC] = N/A $CO 75 FTP       0.89    4.1   656.6    2.07    13.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE   N.Y. CITY

5331 75 OLDS OMEG 350 COLD TRANS   1.69   20.1   667.7    1.90    12.6
  IHC=  60 PPM HEXANE COLD STAB    0.39    1.1   686.8    0.96    12.9
  ICO[ACT] =  0.0 $CO HOT TRANS    0.83    5.0   587.9    1.72    14.8
  ICO[SPEC] = N/A $CO 75 FTP       0.78    6.1   655.9    1.36    13.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M   SULFATE   N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                     -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO    CO2    NOxc     ECON
----------------------------------------------------------------------
5332 75 OLDS DELT 350 COLD TRANS   2.83   36.2  680.7   2.79   11.9
  IHC= 600 PPM HEXANE COLD STAB    1.77   25.5  596.6   2.32   13.8
  ICO[ACT] =  3.0 %CO HOT TRANS    1.95   28.5  590.9   2.51   13.8
  ICO[SPEC] = N/A %CO 75 FTP       2.04   28.5  612.3   2.47   13.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE  N.Y. CITY

5333 75 PLYM GRNF 360 COLD TRANS   4.51  105.6  640.1   4.55   10.8
  IHC=  60 PPM HEXANE COLD STAB    0.43   12.2  751.4   2.13   11.5
  ICO[ACT] =  0.9 %CO HOT TRANS    0.57   13.2  632.4   3.62   13.6
  ICO[SPEC] = N/A %CO 75 FTP       1.30   31.7  696.0   3.04   11.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M  SULFATE  N.Y. CITY

5334 75 PONT LEMA 250 COLD TRANS   3.45   83.3  518.9   3.05   13.4
  IHC=  20 PPM HEXANE COLD STAB    0.17    0.6  501.9   2.75   17.6
  ICO[ACT] =  0.0 %CO HOT TRANS    0.67    7.8  496.1   3.09   17.4
  ICO[SPEC] = N/A %CO 75 FTP       0.98   19.6  503.8   2.90   16.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

5335 75 DATS 710  119 COLD TRANS   2.03   37.3  398.3   3.32   19.2
  IHC= 195 PPM HEXANE COLD STAB    1.64   13.4  344.9   2.62   23.9
  ICO[ACT] =  0.5 %CO HOT TRANS    1.48   19.5  332.5   3.09   24.1
  ICO[SPEC]=  2.0 %CO 75 FTP       1.68   20.0  352.5   2.90   22.8
  OTHER TESTS:        S/C SERIES  N.Y. CITY

5336 75 FIAT 124  107 COLD TRANS   4.90   64.4  388.1   1.61   17.6
  IHC=1600 PPM HEXANE COLD STAB    8.00   99.6  400.9   0.65   15.2
  ICO[ACT] = 10.0 %CO HOT TRANS    3.72   57.4  355.4   1.40   19.4
  ICO[SPEC] = N/A %CO 75 FTP       6.20   80.9  385.8   1.05   16.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

5337 75 HOND CIVI  91 COLD TRANS   1.77   10.6  314.6   1.72   26.3
  IHC= 120 PPM HEXANE COLD STAB    0.68    3.7  338.5   1.27   25.6
  ICO[ACT] =  0.2 %CO HOT TRANS    1.10    3.5  287.4   1.86   29.9
  ICO[SPEC] = N/A %CO 75 FTP       1.02    5.1  319.6   1.52   26.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

5338 75 MAZD COUP  97 COLD TRANS   1.90   32.8  434.2   1.21   18.0
  IHC=  55 PPM HEXANE COLD STAB    0.54   10.4  484.4   0.47   17.7
  ICO[ACT] =  0.7 %CO HOT TRANS    0.67   27.4  479.4   1.00   16.9
  ICO[SPEC] = N/A %CO 75 FTP       0.85   19.6  472.7   0.77   17.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                      MPG
VEH                                      -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC     CO      CO2    NOxc     ECON
--------------------------------------------------------------------------
5715 75 MERB 240D 147 COLD TRANS    0.47    1.6    446.1   1.43     22.6
  IHC=  10 PPM HEXANE COLD STAB     0.23    0.9    347.5   1.32     29.1
  ICO[ACT] =  0.0 %CO HOT TRANS     0.16    1.2    377.2   1.37     26.8
  ICO[SPEC] = N/A %CO 75 FTP        0.26    1.1    375.9   1.35     26.9
  OTHER TESTS:        MODAL  HFET   DIESEL

4080 74 AMC  MATA 304 COLD TRANS    7.40  151.1    556.0   3.07     10.9
  IHC= 275 PPM HEXANE COLD STAB     4.51   60.8    542.8   3.89     13.6
  ICO[ACT] =  3.6 %CO HOT TRANS     3.39   35.7    505.0   6.51     15.5
  ICO[SPEC] = N/A %CO 75 FTP        4.80   72.6    535.2   4.44     13.4
  OTHER TESTS:        S/C SERIES

4081 74 BUIC ELEC 455 COLD TRANS    3.36   27.4    819.1   8.48     10.2
  IHC=  60 PPM HEXANE COLD STAB     2.24    6.2    762.6   5.80     11.4
  ICO[ACT] =  0.1 %CO HOT TRANS     2.87    9.7    667.3   8.17     12.8
  ICO[SPEC] = N/A %CO 75 FTP        2.64   11.5    748.2   7.00     11.5
  OTHER TESTS:        S/C SERIES

4082 74 CADI DEVI 472 COLD TRANS    5.68   81.8    891.4   2.13      8.6
  IHC= 730 PPM HEXANE COLD STAB     7.20   35.3    771.1   1.53     10.4
  ICO[ACT] =  1.4 %CO HOT TRANS     5.22   26.5    728.1   2.21     11.3
  ICO[SPEC] = N/A %CO 75 FTP        6.35   42.5    784.1   1.84     10.2
  OTHER TESTS:        S/C SERIES

4083 74 CHEV VEGA 140 COLD TRANS    3.10   61.3    434.2   2.69     16.4
  IHC= 365 PPM HEXANE COLD STAB     2.55   43.3    361.5   2.45     20.3
  ICO[ACT] =  7.6 %CO HOT TRANS     2.05   26.6    366.5   2.71     21.4
  ICO[SPEC]=  0.5 %CO 75 FTP        2.53   42.5    377.9   2.57     19.6
  OTHER TESTS:        S/C SERIES

4084 74 CHEV MONT 350 COLD TRANS    3.17   68.4    686.4   3.28     11.0
  IHC=  45 PPM HEXANE COLD STAB     1.74   68.8    679.3   1.40     11.2
  ICO[ACT] =  2.0 %CO HOT TRANS     1.66   43.8    589.6   2.94     13.4
  ICO[SPEC]=  0.5 %CO 75 FTP        2.02   61.9    656.3   2.20     11.7
  OTHER TESTS:        S/C SERIES

4085 74 CHEV NOVA 250 COLD TRANS    4.55   33.3    477.8   2.59     16.3
  IHC=  80 PPM HEXANE COLD STAB     1.67   10.4    497.4   1.19     17.1
  ICO[ACT] =  1.4 %CO HOT TRANS     3.22   22.0    406.1   2.44     19.7
  ICO[SPEC] = N/A %CO 75 FTP        2.68   18.3    468.4   1.82     17.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                 MPG
VEH                                  -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO    CO2    NOxc   ECON
-----------------------------------------------------------------------
4086 74 CHEV NOVA 350 COLD TRANS    1.95   29.8  660.4  1.68   12.4
  IHC=  95 PPM HEXANE COLD STAB    25.77  130.9  637.4  0.58    9.6
  ICO[ACT] =  0.1 $CO HOT TRANS     7.39   43.4  565.1  1.35   13.5
  ICO[SPEC]=  0.5 $CO 75 FTP       15.85   86.2  622.4  1.02   11.0
  OTHER TESTS:        S/C SERIES

4087 74 CHEV IMPA 350 COLD TRANS    2.90   45.2  703.5  1.97   11.3
  IHC= 510 PPM HEXANE COLD STAB     2.31   23.3  684.8  1.08   12.2
  ICO[ACT] =   0.1 $CO HOT TRANS    2.62   22.1  597.2  1.91   13.9
  ICO[SPEC] = N/A $CO 75 FTP        2.52   27.5  664.8  1.49   12.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4088 74 CHEV CAPR 400 COLD TRANS    3.07   42.1  819.5  1.45    9.9
  IHC= 100 PPM HEXANE COLD STAB     1.43    9.1  796.9  0.84   10.9
  ICO[ACT] =   0.3 $CO HOT TRANS    1.61   13.1  706.4  1.42   12.1
  ICO[SPEC] = N/A $CO 75 FTP        1.82   17.0  776.9  1.13   11.0
  OTHER TESTS:        S/C SERIES

4089 74 CHRY STAW 440 COLD TRANS   37.25  323.4  665.9  3.46    6.9
  IHC= 139 PPM HEXANE COLD STAB     5.38  112.9  730.2  3.74    9.6
  ICO[ACT] =   3.6 $CO HOT TRANS    4.36   60.9  700.8  7.00   11.0
  ICO[SPEC] = N/A $CO 75 FTP       11.66  142.0  708.9  4.57    9.2
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4090 74 DODG MONA 360 COLD TRANS   10.16  129.9  560.0  6.48   11.1
  IHC= 960 PPM HEXANE COLD STAB    17.32  220.6  473.0  3.21   10.1
  ICO[ACT] = 10.0 $CO HOT TRANS    11.09  112.3  483.8  6.73   12.8
  ICO[SPEC]=  0.1 $CO 75 FTP       14.15  172.4  493.8  4.84   11.0
  OTHER TESTS:        S/C SERIES

4091 74 FORD PINT 122 COLD TRANS    4.66   69.5  313.3  2.01   20.3
  IHC= 130 PPM HEXANE COLD STAB     3.15   62.3  334.9  1.29   20.0
  ICO[ACT] =   1.9 $CO HOT TRANS    3.11   45.7  293.3  2.20   23.7
  ICO[SPEC] = N/A $CO 75 FTP        3.45   59.2  319.1  1.69   21.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4092 74 FORD MAVE 302 COLD TRANS    4.40   81.7  561.9  2.05   12.6
  IHC= 100 PPM HEXANE COLD STAB     2.89   43.8  569.4  1.10   13.7
  ICO[ACT] =   1.2 $CO HOT TRANS    3.30   34.8  515.8  2.12   15.3
  ICO[SPEC]=  0.5 $CO 75 FTP        3.31   49.1  553.3  1.57   13.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                      MPG
VEH                                     -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2    NOxc      ECON
--------------------------------------------------------------------------
4093 74 FORD MAVE 250 COLD TRANS   3.22   62.4   449.3   5.25     15.9
  IHC= 270 PPM HEXANE COLD STAB    3.39  102.2   397.4   1.68     15.6
  ICO[ACT] =  9.2 $CO HOT TRANS    3.18   58.4   384.1   3.87     18.3
  ICO[SPEC] = N/A $CO 75 FTP       3.30   82.1   404.5   3.01     16.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M

4094 74 FORD LTD  400 COLD TRANS   2.88   33.0   674.5   5.26     12.1
  IHC= 140 PPM HEXANE COLD STAB    2.27   35.2   650.5   2.31     12.4
  ICO[ACT] =  2.0 $CO HOT TRANS    2.48   17.9   587.9   4.97     14.2
  ICO[SPEC] = N/A $CO 75 FTP       2.45   30.1   638.3   3.64     12.8
  OTHER TESTS:        S/C SERIES   REVISED 3/M

4095 74 FORD LTD  351 COLD TRANS   5.28   74.7   617.9   5.71     11.8
  IHC= 265 PPM HEXANE COLD STAB    4.49   82.3   595.4   4.42     12.0
  ICO[ACT] =  5.2 $CO HOT TRANS    3.92   45.7   544.0   6.68     14.1
  ICO[SPEC]=  0.5 $CO 75 FTP       4.50   70.7   586.0   5.30     12.5
  OTHER TESTS:        S/C SERIES

4096 74 MERC COME 302 COLD TRANS   4.43   54.3   428.4   1.85     16.8
  IHC= 140 PPM HEXANE COLD STAB    3.28   39.5   448.6   1.05     17.0
  ICO[ACT] =  0.8 $CO HOT TRANS    2.97   28.9   394.4   1.88     19.8
  ICO[SPEC] = N/A $CO 75 FTP       3.43   39.7   429.7   1.44     17.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M

4097 74 OLDS CUTL 350 COLD TRANS   3.95   54.0   736.0   3.23     10.6
  IHC=  70 PPM HEXANE COLD STAB    2.26   21.1   741.5   1.94     11.4
  ICO[ACT] =  0.4 $CO HOT TRANS    2.83   22.4   635.2   3.07     13.1
  ICO[SPEC]=  0.2 $CO 75 FTP       2.76   28.2   711.3   2.51     11.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M

4098 74 OLDS NNTY 455 COLD TRANS   2.73  109.1   875.4   2.88      8.4
  IHC=  25 PPM HEXANE COLD STAB    0.57    3.0   984.5   1.76      9.0
  ICO[ACT] =  0.1 $CO HOT TRANS    1.09    7.5   858.2   2.72     10.2
  ICO[SPEC] = N/A $CO 75 FTP       1.15   26.1   927.6   2.25      9.1
  OTHER TESTS:        S/C SERIES

4099 74 PLYM SATE 318 CCLD TRANS   4.50   66.6   602.2   4.48     12.3
  IHC= 135 PPM HEXANE COLD STAB    3.30   51.6   574.4   2.12     13.3
  ICO[ACT] =  1.9 $CO HOT TRANS    3.04   25.7   532.9   4.35     15.2
  ICO[SPEC] = N/A $CO 75 FTP       3.48   47.6   568.8   3.21     13.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                    -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC    CO     CO2    NOxc      ECON
----------------------------------------------------------------------
4100 74 PLYM DUST 225 COLD TRANS  3.73  50.5   484.6  9.24      15.4
  IHC= 430 PPM HEXANE COLD STAB   3.85  79.0   383.9  4.41      17.1
  ICO[ACT] = 10.0 $CO HOT TRANS   2.92  42.4   398.7  7.68      18.7
  ICO[SPEC] = N/A $CO 75 FTP      3.57  63.1   408.7  6.29      17.1
  OTHER TESTS:        S/C SERIES

4101 74 PONT LEMA 350 COLD TRANS  4.18  64.5   653.5  6.49      11.6
  IHC= 310 PPM HEXANE COLD STAB   3.51  44.6   600.6  4.30      13.0
  ICO[ACT] =  4.3 $CO HOT TRANS   2.83  28.6   567.2  7.22      14.3
  ICO[SPEC]=  0.2 $CO 75 FTP      3.46  44.3   602.4  5.55      13.0
  OTHER TESTS:        S/C SERIES

4102 74 DATS STAW 119 COLD TRANS  1.57  29.4   449.5  2.84      17.7
  IHC=  55 PPM HEXANE COLD STAB   1.22  15.1   427.0  1.93      19.5
  ICO[ACT] =  0.7 $CO HOT TRANS   1.11  16.1   389.1  2.72      21.2
  ICO[SPEC] = N/A $CO 75 FTP      1.26  18.3   421.3  2.33      19.5
  OTHER TESTS:        S/C SERIES

4103 74 TOYO CORO  97 COLD TRANS  3.44  37.1   332.4  4.28      22.1
  IHC= 195 PPM HEXANE COLD STAB   3.17  39.7   321.0  1.72      22.6
  ICO[ACT] =  3.0 $CO HOT TRANS   2.37  22.0   291.0  3.39      26.6
  ICO[SPEC]=  4.0 $CO 75 FTP      3.01  34.3   315.2  2.70      23.4
  OTHER TESTS:        S/C SERIES

4104 74 TOYO CORO 120 COLD TRANS  2.59  33.9   434.2  5.12      17.9
  IHC= 210 PPM HEXANE COLD STAB   1.96  25.2   376.9  2.37      21.0
  ICO[ACT] =  3.2 $CO HOT TRANS   1.52  11.6   382.5  4.29      21.9
  ICO[SPEC]=  4.0 $CO 75 FTP      1.97  23.3   390.2  3.46      20.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4105 74 VOLK SEDA  97 COLD TRANS  3.70  46.1   305.1  3.09      22.8
  IHC= 180 PPM HEXANE COLD STAB   3.27  46.6   313.1  1.79      22.4
  ICO[ACT] =  5.4 $CO HOT TRANS   2.90  33.7   280.7  2.80      25.9
  ICO[SPEC] = N/A $CO 75 FTP      3.26  43.0   302.6  2.33      23.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4106 74 VOLK SEDA  97 COLD TRANS  4.94  59.1   334.0  2.71      20.1
  IHC= 110 PPM HEXANE COLD STAB   3.74  53.2   339.8  1.19      20.4
  ICO[ACT] =  2.9 $CO HOT TRANS   2.40  36.6   308.8  2.19      23.7
  ICO[SPEC] = N/A $CO 75 FTP      3.62  49.9   330.2  1.77      21.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                  -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2    NOxc      ECON
------------------------------------------------------------------------
4339 74 AMC  HORN 258 COLD TRANS  2.00   52.5   603.7   2.28      12.8
  IHC= 190 PPM HEXANE COLD STAB   0.70   25.3   617.8   1.57      13.5
  ICO[ACT] =  4.5 %CO HOT TRANS   1.00   14.4   543.4   1.87      15.6
  ICO[SPEC]=  1.5 %CO 75 FTP      1.05   27.9   594.6   1.80      13.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4340 74 BUIC REGA 350 COLD TRANS  4.24   97.9   689.3   1.95      10.4
  IHC=  95 PPM HEXANE COLD STAB   1.71   45.6   671.8   1.02      11.9
  ICO[ACT] =  2.2 %CO HOT TRANS   1.61   23.1   601.1   1.96      13.8
  ICO[SPEC]=  0.3 %CO 75 FTP      2.20   50.2   656.1   1.47      12.0
  OTHER TESTS:        S/C SERIES

4341 74 BUIC CNTY 350 COLD TRANS  2.75   75.8   673.0   1.87      11.1
  IHC=  70 PPM HEXANE COLD STAB   1.34   25.4   651.6   1.22      12.8
  ICO[ACT] =  1.0 %CO HOT TRANS   1.32   18.3   568.3   2.17      14.8
  ICO[SPEC] = N/A %CO 75 FTP      1.63   33.8   633.4   1.61      12.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4342 74 CHEV MALI 350 COLD TRANS  2.07   40.8   698.3   2.96      11.5
  IHC=  50 PPM HEXANE COLD STAB   1.13   40.9   686.5   0.94      11.8
  ICO[ACT] =  2.2 %CO HOT TRANS   2.17   28.4   611.0   2.38      13.4
  ICO[SPEC]=  0.5 %CO 75 FTP      1.61   37.5   668.3   1.75      12.1
  OTHER TESTS:        S/C SERIES

4343 74 CHEV IMPA 350 COLD TRANS  3.67   69.4   711.7   4.85      10.7
  IHC=  30 PPM HEXANE COLD STAB   1.97   63.0   729.0   2.50      10.6
  ICO[ACT] =  1.0 %CO HOT TRANS   2.47   53.9   612.7   4.57      12.6
  ICO[SPEC] = N/A %CO 75 FTP      2.45   61.8   693.7   3.55      11.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4344 74 CHEV IMPA 350 COLD TRANS  3.40   67.3   732.7   3.52      10.5
  IHC= 110 PPM HEXANE COLD STAB   2.16   50.6   710.8   2.30      11.1
  ICO[ACT] =  2.0 %CO HOT TRANS   2.53   46.2   629.2   3.56      12.5
  ICO[SPEC] = N/A %CO 75 FTP      2.51   52.9   693.0   2.89      11.3
  OTHER TESTS:        S/C SERIES

4345 74 CHEV STAW 400 COLD TRANS  5.20   92.1   877.3   5.64       8.5
  IHC= 290 PPM HEXANE COLD STAB   4.97  129.6   664.8   3.03      10.0
  ICO[ACT] =  8.0 %CO HOT TRANS   4.02   71.8   661.5   4.92      11.3
  ICO[SPEC] = N/A %CO 75 FTP      4.76  106.1   707.7   4.08      10.0
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH NO.	YR	MAKE	MODL	CID	TEST	TYPE	HC	CO	CO_2	NOx_c	MPG FUEL ECON
							-----GRAMS PER MILE-----				
4346	74	CHEV	VEGA	140	COLD	TRANS	4.85	68.8	356.0	2.48	18.5
IHC= 240 PPM HEXANE					COLD	STAB	3.61	59.6	417.9	1.58	17.0
ICO[ACT] = 8.8 %CO					HOT	TRANS	3.42	41.6	333.0	2.53	21.7
ICO[SPEC]= 0.5 %CO					75	FTP	3.81	56.6	382.0	2.03	18.4
OTHER TESTS:					S/C	SERIES					
4347	74	DODG	DART	225	COLD	TRANS	6.49	70.3	460.1	5.10	15.0
IHC= 330 PPM HEXANE					COLD	STAB	3.92	80.6	406.7	2.54	16.3
ICO[ACT] = 7.9 %CO					HOT	TRANS	4.84	61.6	383.8	4.06	17.9
ICO[SPEC] = N/A %CO					75	FTP	4.70	73.3	411.4	3.48	16.4
OTHER TESTS:					S/C	SERIES					
4348	74	DODG	DART	318	COLD	TRANS	4.63	70.9	625.3	3.16	11.8
IHC= 150 PPM HEXANE					COLD	STAB	2.94	41.1	603.8	1.86	13.1
ICO[ACT] = 0.5 %CO					HOT	TRANS	3.04	18.8	555.8	3.58	14.9
ICO[SPEC]= 0.5 %CO					75	FTP	3.31	41.2	595.1	2.60	13.2
OTHER TESTS:					S/C	SERIES	REVISED 3/M				
4349	74	FORD	TORI	351	COLD	TRANS	4.21	99.3	700.2	4.04	10.2
IHC= 130 PPM HEXANE					COLD	STAB	1.76	65.7	737.5	2.09	10.5
ICO[ACT] = 5.8 %CO					HOT	TRANS	3.48	55.5	627.4	3.91	12.2
ICO[SPEC] = N/A %CO					75	FTP	2.73	69.8	699.8	2.99	10.8
OTHER TESTS:					S/C	SERIES	REVISED 3/M				
4350	74	FORD	LTD	400	COLD	TRANS	5.97	67.5	757.7	4.07	10.1
IHC= 200 PPM HEXANE					COLD	STAB	2.29	15.8	761.3	1.84	11.2
ICO[ACT] = 0.8 %CO					HOT	TRANS	3.35	11.7	676.6	3.70	12.6
ICO[SPEC]= 0.4 %CO					75	FTP	3.34	25.3	737.4	2.81	11.3
OTHER TESTS:					S/C	SERIES	REVISED 3/M				
4351	74	FORD	THND	460	COLD	TRANS	10.27	160.6	685.1	3.53	9.1
IHC= 200 PPM HEXANE					COLD	STAB	5.03	201.5	655.9	1.10	9.0
ICO[ACT] = 8.2 %CO					HOT	TRANS	4.88	139.5	600.5	2.70	10.6
ICO[SPEC] = N/A %CO					75	FTP	6.07	176.2	646.8	2.04	9.4
OTHER TESTS:					S/C	SERIES	REVISED 3/M				
4352	74	FORD	PINT	140	COLD	TRANS	2.88	53.4	412.2	3.84	17.6
IHC= 290 PPM HEXANE					COLD	STAB	3.25	80.5	356.2	1.83	18.0
ICO[ACT] = 9.6 %CO					HOT	TRANS	2.71	49.8	340.5	3.22	20.8
ICO[SPEC] = N/A %CO					75	FTP	3.03	66.6	363.5	2.62	18.6
OTHER TESTS:					S/C	SERIES	REVISED 3/M				

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                 -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO    CO2   NOxc       ECON
----------------------------------------------------------------------
4353 74 LINC CONT 460 COLD TRANS  5.00   99.4  698.0  5.35  10.2
  IHC= 200 PPM HEXANE COLD STAB   4.98  169.5  640.2  2.26   9.6
  ICO[ACT] =  8.6 $CO HOT TRANS   3.69   93.5  608.4  4.62  11.6
  ICO[SPEC] = N/A $CO 75 FTP      4.63  134.4  643.4  3.54  10.2
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4354 74 MERC MONR 400 COLD TRANS  4.95   52.0  718.2  4.87  10.9
  IHC= 250 PPM HEXANE COLD STAB   2.86   67.1  686.7  2.34  11.1
  ICO[ACT] =  4.6 $CO HOT TRANS   3.75   38.5  640.0  4.80  12.5
  ICO[SPEC] = N/A $CO 75 FTP      3.53   56.2  680.5  3.53  11.4
  OTHER TESTS:        S/C SERIES

4355 74 OLDS CUTL 350 COLD TRANS  3.05   40.5  707.3  2.48  11.4
  IHC= 100 PPM HEXANE COLD STAB   3.51   29.7  703.4  1.64  11.7
  ICO[ACT] =  1.0 $CO HOT TRANS   2.89   22.5  615.9  2.59  13.4
  ICO[SPEC] = N/A $CO 75 FTP      3.25   30.0  680.3  2.07  12.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4356 74 PLYM VALI 318 COLD TRANS  4.88   50.4  579.3  2.68  13.2
  IHC= 150 PPM HEXANE COLD STAB   3.10   58.1  588.4  1.53  12.9
  ICO[ACT] =  3.9 $CO HOT TRANS   2.60   27.6  528.5  2.76  15.3
  ICO[SPEC] = N/A $CO 75 FTP      3.33   48.2  570.2  2.10  13.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4357 74 PONT BONN 400 COLD TRANS  4.88   73.5  816.7  1.90   9.4
  IHC= 360 PPM HEXANE COLD STAB   2.68   38.1  737.1  1.00  11.0
  ICO[ACT] =  1.7 $CO HOT TRANS   3.31   27.0  664.8  2.18  12.4
  ICO[SPEC] = N/A $CO 75 FTP      3.30   42.4  733.7  1.51  10.9
  OTHER TESTS:        S/C SERIES

4358 74 PONT FIRE 350 COLD TRANS  4.23   59.3  701.3  5.90  11.0
  IHC= 280 PPM HEXANE COLD STAB   3.73   27.7  642.8  4.13  12.7
  ICO[ACT] =  2.6 $CO HOT TRANS   3.49   27.0  596.1  6.77  13.7
  ICO[SPEC] = N/A $CO 75 FTP      3.77   34.1  642.1  5.22  12.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M

4359 74 CAPR COUP 122 COLD TRANS  4.49   48.5  337.4  2.81  20.7
  IHC= 160 PPM HEXANE COLD STAB   2.95   23.9  322.8  2.04  24.0
  ICO[ACT] =  4.1 $CO HOT TRANS   2.29   12.1  293.4  3.13  27.8
  ICO[SPEC]=  1.5 $CO 75 FTP      3.09   25.7  317.8  2.49  24.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                  -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2   NOxc     ECON
-------------------------------------------------------------------------
4360 74 DATS SEDA  79 COLD TRANS   3.32   65.4   350.6   1.99    19.1
  IHC= 150 PPM HEXANE COLD STAB    2.03   26.3   312.4   1.30    24.6
  ICO[ACT] =  1.5 %CO HOT TRANS    2.37   23.1   304.9   1.95    25.5
  ICO[SPEC]=  1.5 %CO 75 FTP       2.39   33.5   318.2   1.62    23.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M

4361 74 MAZD RX2   70 COLD TRANS  16.98  106.6   403.0   1.02    14.2
  IHC=1550 PPM HEXANE COLD STAB   23.93  171.6   374.3   0.41    12.3
  ICO[ACT] =  4.3 %CO HOT TRANS   14.82  109.8   344.9   0.93    15.7
  ICO[SPEC] = N/A %CO 75 FTP      20.01  141.4   372.2   0.68    13.5
  OTHER TESTS:        S/C SERIES

4703 74 MERB 240D 147 COLD TRANS   1.44    2.2   482.7   1.32    20.7
  IHC=  10 PPM HEXANE COLD STAB    1.56    2.4   433.8   1.20    23.0
  ICO[ACT] =  0.0 %CO HOT TRANS    0.95    1.9   418.1   1.23    24.0
  ICO[SPEC] = N/A %CO 75 FTP       1.37    2.2   439.6   1.23    22.7
  OTHER TESTS:        MODAL  HFET  DIESEL

4707 74 MERB 240D 147 COLD TRANS   0.89    2.4   459.3   1.39    21.8
  IHC=  10 PPM HEXANE COLD STAB    0.90    2.5   397.5   1.31    25.2
  ICO[ACT] =  0.0 %CO HOT TRANS    0.61    2.1   384.3   1.31    26.1
  ICO[SPEC] = N/A %CO 75 FTP       0.82    2.4   406.6   1.32    24.6
  OTHER TESTS:        MODAL  HFET  DIESEL

4711 74 PEUG 504D 129 COLD TRANS   2.10    3.1   419.0   1.13    23.6
  IHC=  50 PPM HEXANE COLD STAB    2.24    3.2   388.0   1.12    25.4
  ICO[ACT] =  0.2 %CO HOT TRANS    1.70    2.8   373.5   1.04    26.5
  ICO[SPEC] = N/A %CO 75 FTP       2.07    3.1   390.4   1.10    25.3
  OTHER TESTS:        MODAL  HFET  DIESEL

4712 74 MERB 240D 147 COLD TRANS   0.43    1.8   507.0   1.76    19.9
  IHC=  13 PPM HEXANE COLD STAB    0.31    1.1   397.8   1.53    25.4
  ICO[ACT] =  0.0 %CO HOT TRANS    0.26    1.5   414.4   1.58    24.4
  ICO[SPEC] = N/A %CO 75 FTP       0.32    1.4   424.8   1.59    23.8
  OTHER TESTS:        MODAL  HFET  DIESEL

3107 73 AMC  GREM 232 COLD TRANS   3.31   25.5   456.0   3.84    17.5
  IHC= 370 PPM HEXANE COLD STAB    4.62   44.2   469.6   2.06    16.0
  ICO[ACT] =  8.1 %CO HOT TRANS    2.95   23.7   399.1   3.26    19.9
  ICO[SPEC]=  1.5 %CO 75 FTP       3.89   34.8   447.6   2.75    17.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                  MPG
VEH                                 -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST   TYPE   HC    CO    CO2    NOxc      ECON
----------------------------------------------------------------------
3108 73 BUIC RIVI 455 COLD TRANS   1.43   7.4  722.2   2.42      12.0
  IHC= 110 PPM HEXANE COLD STAB    1.71   9.7  927.5   1.39       9.4
  ICO[ACT] =  0.1 %CO HOT TRANS    3.10  16.8  802.6   2.25      10.6
  ICO[SPEC] = N/A %CO 75 FTP       2.03  11.2  851.2   1.84      10.1
  OTHER TESTS:        S/C SERIES

3109 73 BUIC CNTY 350 COLD TRANS   3.19  48.2  594.6   5.99      13.0
  IHC=  55 PPM HEXANE COLD STAB    1.67  16.9  615.0   4.21      13.7
  ICO[ACT] =  0.2 %CO HOT TRANS    3.47  17.8  531.9   6.63      15.5
  ICO[SPEC] = N/A %CO 75 FTP       2.47  23.6  588.1   5.24      14.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M

3110 73 CADI DEVI 472 COLD TRANS   3.48  81.5  879.0   3.58       8.7
  IHC=  40 PPM HEXANE COLD STAB    1.85  13.1  841.6   3.02      10.2
  ICO[ACT] =  0.4 %CO HOT TRANS    2.34  20.9  740.1   3.79      11.4
  ICO[SPEC] = N/A %CO 75 FTP       2.32  29.3  821.6   3.35      10.1
  OTHER TESTS:        S/C SERIES

3111 73 CHEV VEGA 140 COLD TRANS   3.64  47.9  369.8   2.12      19.4
  IHC= 115 PPM HEXANE COLD STAB    2.26  19.5  404.5   1.62      20.1
  ICO[ACT] =  0.3 %CO HOT TRANS    2.89  18.5  321.4   2.60      24.7
  ICO[SPEC] = N/A %CO 75 FTP       2.71  25.1  374.7   1.99      21.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M

3112 73 CHEV NOVA 350 COLD TRANS   3.55  66.1  618.6   2.42      12.1
  IHC=  65 PPM HEXANE COLD STAB    2.37  89.5  590.4   0.82      12.0
  ICO[ACT] =  3.3 %CO HOT TRANS    2.58  54.3  530.8   2.04      14.2
  ICO[SPEC] = N/A %CO 75 FTP       2.67  75.1  579.9   1.48      12.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M

3113 73 CHEV NOVA 350 COLD TRANS   2.99  51.3  621.9   1.53      12.5
  IHC=  30 PPM HEXANE COLD STAB    1.91  43.9  603.1   0.59      13.1
  ICO[ACT] =  0.3 %CO HOT TRANS    1.93  23.3  541.1   1.45      15.2
  ICO[SPEC] = N/A %CO 75 FTP       2.14  39.8  590.1   1.02      13.5
  OTHER TESTS:        S/C SERIES

3114 73 CHEV IMPA 350 COLD TRANS   3.80  68.3  689.4   5.64      11.0
  IHC= 120 PPM HEXANE COLD STAB    2.37  35.7  686.0   3.62      11.8
  ICO[ACT] =  2.0 %CO HOT TRANS    2.64  31.9  522.0   6.24      13.0
  ICO[SPEC] = N/A %CO 75 FTP       2.74  41.4  669.2   4.75      11.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                     MPG
                                    -----GRAMS PER MILE-----         FUEL
VEH
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2    NOxc       ECON
-------------------------------------------------------------------------
3115 73 CHEV IMPA 350 COLD TRANS   3.88   58.8   687.1   3.14   11.2
  IHC= 100 PPM HEXANE COLD STAB    1.61   33.3   652.7   2.20   12.5
  ICO[ACT] =  0.9 %CO HOT TRANS    2.23   43.7   577.2   2.72   13.6
  ICO[SPEC] = N/A %CO 75 FTP       2.25   41.4   639.2   2.53   12.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M

3116 73 DODG DART 225 COLD TRANS   3.21   69.2   465.3   5.81   15.2
  IHC= 270 PPM HEXANE COLD STAB    2.58   52.2   424.9   3.03   17.2
  ICO[ACT] =  6.9 %CO HOT TRANS    2.63   48.9   412.3   5.35   17.8
  ICO[SPEC] = N/A %CO 75 FTP       2.72   54.8   429.8   4.24   16.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M

3117 73 FORD STAW 122 COLD TRANS   4.18   58.9   348.8   3.38   19.5
  IHC= 360 PPM HEXANE COLD STAB    2.66   31.2   292.7   2.18   25.3
  ICO[ACT] =  2.8 %CO HOT TRANS    2.19   23.7   300.1   3.44   25.8
  ICO[SPEC] = N/A %CO 75 FTP       2.84   34.8   306.3   2.77   24.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M

3118 73 FORD TORI 351 COLD TRANS   4.72  141.2   942.0   2.38    7.5
  IHC= 400 PPM HEXANE COLD STAB    2.79   76.9   868.4   1.72    8.9
  ICO[ACT] =  7.4 %CO HOT TRANS    3.29   69.2   771.7   2.39   10.0
  ICO[SPEC]=  0.5 %CO 75 FTP       3.32   88.0   857.2   2.04    8.8
  OTHER TESTS:        S/C SERIES   REVISED 3/M

3119 73 FORD MAVE 302 COLD TRANS   3.49   48.7   529.9   3.80   14.4
  IHC= 395 PPM HEXANE COLD STAB    3.16   57.0   470.7   1.60   15.6
  ICO[ACT] =  5.6 %CO HOT TRANS    2.82   32.8   459.2   3.53   17.1
  ICO[SPEC]=  0.5 %CO 75 FTP       3.13   48.7   479.8   2.58   15.7
  OTHER TESTS:        S/C SERIES

3120 73 FORD GALA 351 COLD TRANS   4.86   75.0   585.0   6.32   12.4
  IHC= 260 PPM HEXANE COLD STAB    4.43  122.1   541.0   3.25   11.9
  ICO[ACT] =  7.0 %CO HOT TRANS    3.65   59.0   506.2   6.12   14.5
  ICO[SPEC] = N/A %CO 75 FTP       4.31   95.2   540.5   4.67   12.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M

3121 73 FORD LTD  400 COLD TRANS   2.76   31.2   638.7   5.73   12.7
  IHC= 180 PPM HEXANE COLD STAB    2.58   41.3   567.5   2.08   13.9
  ICO[ACT] =  3.0 %CO HOT TRANS    2.17   21.4   556.5   5.41   14.9
  ICO[SPEC]=  0.5 %CO 75 FTP       2.50   33.8   579.2   3.74   13.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                MPG
VEH                                   -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO     CO2    NOxc    ECON
--------------------------------------------------------------------
3122 73 MERC MONR 400 COLD TRANS  3.02   35.8   727.9   7.35   11.2
  IHC=  85 PPM HEXANE COLD STAB   2.03   41.7   744.1   3.29   10.9
  ICO[ACT] =  2.3 %CO HOT TRANS   2.97   36.0   646.9   6.50   12.5
  ICO[SPEC]=  0.5 %CO 75 FTP      2.49   38.9   714.2   5.00   11.3
  OTHER TESTS:        S/C SERIES

3123 73 OLDS STAW 455 COLD TRANS  2.84   34.5   860.4   7.30    9.6
  IHC=  75 PPM HEXANE COLD STAB   2.03    6.0   862.3   5.55   10.1
  ICO[ACT] =  0.1 %CO HOT TRANS   2.17    6.4   749.1   8.72   11.6
  ICO[SPEC] = N/A %CO 75 FTP      2.24   12.0   831.0   6.78   10.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3124 73 OLDS CUTL 350 COLD TRANS  3.65   17.0   636.8   4.37   13.1
  IHC= 140 PPM HEXANE COLD STAB   2.44   16.2   627.1   2.49   13.4
  ICO[ACT] =  0.8 %CO HOT TRANS   2.82   11.6   563.4   4.12   15.0
  ICO[SPEC] = N/A %CO 75 FTP      2.79   15.1   611.7   3.32   13.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3125 73 PLYM SATE 318 COLD TRANS  4.93   66.2   590.5   3.29   12.5
  IHC= 330 PPM HEXANE COLD STAB   3.50   52.2   589.1   1.27   13.0
  ICO[ACT] =  2.8 %CO HOT TRANS   3.43   43.9   533.5   3.35   14.5
  ICO[SPEC] = N/A %CO 75 FTP      3.78   52.8   574.2   2.26   13.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3126 73 PLYM DUST 225 COLD TRANS 10.62  127.6   323.4   2.90   15.9
  IHC= 325 PPM HEXANE COLD STAB   4.38   78.8   338.0   1.77   18.7
  ICO[ACT] =  8.7 %CO HOT TRANS   3.61   59.1   299.5   2.98   22.0
  ICO[SPEC]=  0.5 %CO 75 FTP      5.45   83.5   324.5   2.33   18.8
  OTHER TESTS:        S/C SERIES

3127 73 PONT BONN 400 COLD TRANS  6.62  123.1   813.3   2.60    8.6
  IHC= 420 PPM HEXANE COLD STAB   4.28   91.9   724.4   1.48   10.1
  ICO[ACT] =  7.7 %CO HOT TRANS   3.31   50.2   706.6   2.40   11.1
  ICO[SPEC] = N/A %CO 75 FTP      4.49   87.0   737.8   1.96   10.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3128 73 PONT CATA 350 COLD TRANS  3.05   43.2   811.0   1.89   10.0
  IHC= 200 PPM HEXANE COLD STAB   2.17   12.2   724.0   1.92   11.8
  ICO[ACT] =  2.0 %CO HOT TRANS   3.27   23.1   656.0   4.30   12.6
  ICO[SPEC] = N/A %CO 75 FTP      2.65   21.5   723.3   2.56   11.6
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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VEH                                                                   MPG
NO.  YR MAKE MODL CID TEST  TYPE   -----GRAMS PER MILE-----          FUEL
                                     HC     CO     CO2    NOxc       ECON
-------------------------------------------------------------------------
3129 73 DATS PICK  97 COLD TRANS    3.20   29.8   355.8   3.14       21.5
  IHC=1200 PPM HEXANE COLD STAB     2.28   11.6   375.7   2.16       22.1
  ICO[ACT] =  1.3 %CO HOT TRANS     2.19   12.6   320.6   3.15       25.6
  ICO[SPEC]=  1.5 %CO 75 FTP        2.44   15.6   356.6   2.63       22.8
  OTHER TESTS:        S/C SERIES

3130 73 OPEL MANT 116 COLD TRANS    3.05   38.8   374.2   2.25       20.0
  IHC= 100 PPM HEXANE COLD STAB     1.87   37.2   392.6   1.18       19.4
  ICO[ACT] =  4.4 %CO HOT TRANS     1.58   18.1   338.9   2.04       23.8
  ICO[SPEC] = N/A %CO 75 FTP        2.04   32.3   374.2   1.64       20.6
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3131 73 TOYO CARI  97 COLD TRANS    3.56   37.6   314.0   2.77       23.1
  IHC= 530 PPM HEXANE COLD STAB     2.81   37.0   327.8   1.34       22.5
  ICO[ACT] =  9.9 %CO HOT TRANS     2.60   27.2   287.7   2.84       26.2
  ICO[SPEC]=  4.0 %CO 75 FTP        2.90   34.5   314.0   2.04       23.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3132 73 VOLK SEDA 103 COLD TRANS    2.86   32.8   309.3   5.54       24.0
  IHC= 400 PPM HEXANE COLD STAB     2.02   44.5   260.1   2.54       26.4
  ICO[ACT] =  5.6 %CO HOT TRANS     2.42   42.2   251.7   3.68       27.3
  ICO[SPEC]=  3.0 %CO 75 FTP        2.30   41.5   267.9   3.47       26.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3133 73 VOLK SEDA  97 COLD TRANS    3.12   38.2   288.1   3.59       24.8
  IHC= 140 PPM HEXANE COLD STAB     2.39   25.1   309.2   1.88       24.9
  ICO[ACT] =  1.1 %CO HOT TRANS     2.26   20.2   272.2   3.47       28.5
  ICO[SPEC] = N/A %CO 75 FTP        2.50   26.5   294.7   2.67       25.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3362 73 BUIC CNTY 350 COLD TRANS    4.53   71.7   730.3   2.83       10.4
  IHC=  60 PPM HEXANE COLD STAB     2.83   33.7   722.5   2.17       11.3
  ICO[ACT] =  3.2 %CO HOT TRANS     2.72   31.2   599.8   2.78       13.5
  ICO[SPEC] = N/A %CO 75 FTP        3.15   40.8   690.6   2.47       11.6
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3363 73 BUIC ELEC 455 COLD TRANS    3.22   64.9   964.0   2.58        8.2
  IHC=  60 PPM HEXANE COLD STAB     1.59   36.5   915.3   1.69        9.1
  ICO[ACT] =  0.9 %CO HOT TRANS     1.98   23.5   779.5   2.57       10.8
  ICO[SPEC] = N/A %CO 75 FTP        2.03   38.8   888.3   2.11        9.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                     -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC    CO     CO2    NOxc   ECON
-----------------------------------------------------------------------
3364 73 CHEV STAW 400 COLD TRANS    2.56  80.2   984.2  1.65    7.9
 IHC= 100 PPM HEXANE COLD STAB     0.80  33.6   911.8  1.24    9.2
 ICO[ACT] =   3.2 %CO HOT TRANS     1.24  51.0   831.1  1.52    9.7
 ICO[SPEC] = N/A %CO 75 FTP        1.28  47.9   904.7  1.40    9.0
 OTHER TESTS:        S/C SERIES

3365 73 CHEV STAW 140 COLD TRANS    4.94  56.0   387.2  3.56   18.1
 IHC= 260 PPM HEXANE COLD STAB     5.05  59.8   389.0  1.79   17.8
 ICO[ACT] =   5.3 %CO HOT TRANS     4.00  38.5   346.1  3.39   21.2
 ICO[SPEC] = N/A %CO 75 FTP        4.74  53.2   376.9  2.59   18.7
 OTHER TESTS:        S/C SERIES    REVISED 3/M

3366 73 CHEV CAMA 350 COLD TRANS    5.01  77.5   506.9  3.77   13.8
 IHC= 360 PPM HEXANE COLD STAB     5.29 146.7   443.3  1.35   12.9
 ICO[ACT] =   9.2 %CO HOT TRANS     3.77  75.8   434.1  3.57   15.7
 ICO[SPEC] = N/A %CO 75 FTP        4.82 113.1   453.9  2.45   13.7
 OTHER TESTS:        S/C SERIES    REVISED 3/M

3367 73 CHEV IMPA 350 COLD TRANS    3.21  91.8   642.1  5.02   11.1
 IHC=  55 PPM HEXANE COLD STAB     2.05  75.9  1087.7  2.73    7.3
 ICO[ACT] =   1.6 %CO HOT TRANS     2.28  44.9   555.3  5.72   14.0
 ICO[SPEC] = N/A %CO 75 FTP        2.35  70.7   850.7  4.02    9.2
 OTHER TESTS:        S/C SERIES    REVISED 3/M

3368 73 CHEV NOVA 307 COLD TRANS    2.99  53.2  1151.4  2.06    7.1
 IHC= 165 PPM HEXANE COLD STAB     2.24  14.6   611.2  1.78   13.8
 ICO[ACT] =   0.1 %CO HOT TRANS     1.83  12.8   549.8  2.66   15.4
 ICO[SPEC] = N/A %CO 75 FTP        2.28  22.1   705.6  2.08   11.9
 OTHER TESTS:        S/C SERIES    REVISED 3/M

3369 73 CHEV STAW 454 COLD TRANS    4.59  36.7   772.0  4.27   10.5
 IHC= 330 PPM HEXANE COLD STAB     4.66  70.3   708.0  2.57   10.7
 ICO[ACT] =   4.2 %CO HOT TRANS     3.86  37.4   646.8  5.16   12.4
 ICO[SPEC] = N/A %CO 75 FTP        4.42  54.4   704.5  3.62   11.0
 OTHER TESTS:        S/C SERIES    REVISED 3/M

3370 73 CHRY NEWP 400 COLD TRANS    4.35  94.5   635.6  3.11   11.1
 IHC= 220 PPM HEXANE COLD STAB     3.94  80.9   598.8  1.68   12.0
 ICO[ACT] =   5.1 %CO HOT TRANS     3.47  59.0   544.6  2.94   13.7
 ICO[SPEC] = N/A %CO 75 FTP        3.90  77.7   591.6  2.32   12.2
 OTHER TESTS:        S/C SERIES    REVISED 3/M
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APPENDIX E

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                               MPG
VEH                                   -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC    CO    CO2   NOxc  ECON
--------------------------------------------------------------------
3371 73 DODG CHAR 318 COLD TRANS    3.56  56.2  574.2  4.27  13.2
  IHC= 170 PPM HEXANE COLD STAB     3.04  64.6  572.5  2.12  13.0
  ICO[ACT] =  4.9 %CO HOT TRANS     2.82  37.6  506.5  4.40  15.4
  ICO[SPEC] = N/A %CO 75 FTP        3.09  55.5  554.8  3.18  13.6
  OTHER TESTS:        S/C SERIES    REVISED 3/M

3372 73 DODG POLA 360 COLD TRANS    9.05 166.2  650.1  5.55   9.4
  IHC= 100 PPM HEXANE COLD STAB     2.51  38.7  708.5  2.84  11.4
  ICO[ACT] =  1.8 %CO HOT TRANS     3.01  35.8  612.3  6.33  13.1
  ICO[SPEC] = N/A %CO 75 FTP        3.99  64.1  670.2  4.35  11.3
  OTHER TESTS:        S/C SERIES    REVISED 3/M

3373 73 FORD PINT 122 COLD TRANS   10.39 208.8  245.8  0.39  14.6
  IHC= 155 PPM HEXANE COLD STAB     7.77 217.5  248.4  0.22  14.4
  ICO[ACT] =  2.2 %CO HOT TRANS     6.12 176.8  218.3  0.30  17.2
  ICO[SPEC]=  1.5 %CO 75 FTP        7.86 204.6  239.7  0.27  15.1
  OTHER TESTS:        S/C SERIES

3374 73 FORD TORI 351 COLD TRANS    5.49  74.7  515.2  2.08  13.7
  IHC= 255 PPM HEXANE COLD STAB     5.00 104.0  510.0  1.22  12.9
  ICO[ACT] =  5.6 %CO HOT TRANS     3.79  51.5  460.4  2.80  16.0
  ICO[SPEC] = N/A %CO 75 FTP        4.77  83.6  497.5  1.83  13.8
  OTHER TESTS:        S/C SERIES    REVISED 3/M

3375 73 FORD LTD  400 COLD TRANS    4.38  50.1  661.9  6.19  11.8
  IHC= 245 PPM HEXANE COLD STAB     3.77  80.2  627.8  3.19  11.6
  ICO[ACT] =  4.3 %CO HOT TRANS     3.27  39.8  581.7  5.36  13.6
  ICO[SPEC] = N/A %CO 75 FTP        3.76  62.9  622.2  4.40  12.1
  OTHER TESTS:        S/C SERIES    REVISED 3/M

3376 73 FORD LTD  460 COLD TRANS    2.84  73.0  826.9  3.30   9.3
  IHC= 135 PPM HEXANE COLD STAB     2.02  63.5  774.3  1.79  10.1
  ICO[ACT] =  3.8 %CO HOT TRANS     1.48  31.5  708.8  3.32  11.6
  ICO[SPEC] = N/A %CO 75 FTP        2.04  56.7  767.3  2.52  10.3
  OTHER TESTS:        S/C SERIES

3377 73 MERC MONG 302 COLD TRANS    4.21  30.6  633.8  5.45  12.8
  IHC= 230 PPM HEXANE COLD STAB     2.75  22.3  617.8  2.58  13.4
  ICO[ACT] =  1.1 %CO HOT TRANS     3.20  17.2  562.0  5.04  14.8
  ICO[SPEC] = N/A %CO 75 FTP        3.17  22.6  605.9  3.84  13.6
  OTHER TESTS:        S/C SERIES    REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                              MPG
VEH                                -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO    CO2   NOxc    ECON
-------------------------------------------------------------------
3378 73 OLDS CUTL 350 COLD TRANS  4.07  28.0  668.7  3.56   12.2
  IHC= 150 PPM HEXANE COLD STAB   2.03   7.7  707.0  1.90   12.2
  ICO[ACT] =  1.1 %CO HOT TRANS   2.42  10.2  612.2  3.26   14.0
  ICO[SPEC]=  0.3 %CO 75 FTP      2.55  12.5  673.3  2.61   12.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3379 73 OLDS DELT 455 COLD TRANS  3.71  86.0  732.9  3.03   10.1
  IHC= 110 PPM HEXANE COLD STAB   2.09  24.5  739.8  2.80   11.3
  ICO[ACT] =  1.1 %CO HOT TRANS   1.83  13.6  652.2  3.34   13.1
  ICO[SPEC] = N/A %CO 75 FTP      2.35  34.2  714.5  2.99   11.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3380 73 PLYM SATE 318 COLD TRANS 10.57 126.2  571.9  2.82   11.0
  IHC= 160 PPM HEXANE COLD STAB   3.57  86.3  580.8  1.85   12.2
  ICO[ACT] =  5.4 %CO HOT TRANS   3.29  48.4  534.0  3.17   14.3
  ICO[SPEC]=  0.5 %CO 75 FTP      4.94  84.2  566.2  2.41   12.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3381 73 PONT LEMA 350 COLD TRANS  4.48  59.8  720.2  2.16   10.7
  IHC= 360 PPM HEXANE COLD STAB   4.74  65.0  620.2  1.73   12.0
  ICO[ACT] =  7.2 %CO HOT TRANS   4.41  38.6  546.1  2.81   14.3
  ICO[SPEC] = N/A %CO 75 FTP      4.60  56.7  620.5  2.11   12.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3382 73 PONT BONN 400 COLD TRANS  3.98  51.0  880.7  2.29    9.1
  IHC=  80 PPM HEXANE COLD STAB   2.40  12.3  784.2  1.93   10.9
  ICO[ACT] =  0.3 %CO HOT TRANS   2.87  11.7  650.0  4.13   13.1
  ICO[SPEC] = N/A %CO 75 FTP      2.86  20.1  767.4  2.60   11.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3383 73 CAPR COUP 122 COLD TRANS 14.68  76.4  305.0  2.42   18.8
  IHC= 130 PPM HEXANE COLD STAB   3.45  35.6  285.4  1.52   25.2
  ICO[ACT] =  3.2 %CO HOT TRANS   2.80  29.7  254.3  2.30   28.6
  ICO[SPEC]=  2.5 %CO 75 FTP      5.59  42.4  281.0  1.92   24.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M

3384 73 MAZD STAW  70 COLD TRANS  8.75  33.5  500.6  1.65   15.3
  IHC=1200 PPM HEXANE COLD STAB   9.42  54.5  437.5  0.55   16.0
  ICO[ACT] =  2.5 %CO HOT TRANS   7.60  41.5  398.5  1.49   18.2
  ICO[SPEC] = N/A %CO 75 FTP      8.79  46.7  439.8  1.04   16.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                  MPG
VEH                                  -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO     CO2    NOxc   ECON
-----------------------------------------------------------------------
3708 73 MERB 220D 141 COLD TRANS   0.73    3.8   499.2   1.57   20.0
  IHC=  13 PPM HEXANE COLD STAB    0.34    1.1   395.1   1.38   25.6
  ICO[ACT] =  0.0 $CO HOT TRANS    0.29    2.6   422.6   1.46   23.8
  ICO[SPEC] = N/A $CO 75 FTP       0.40    2.1   424.1   1.44   23.7
  OTHER TESTS:        MODAL  HFET  DIESEL

2134 72 AMC  GREM 258 COLD TRANS   2.97   30.3   456.3   5.03   17.3
  IHC= 245 PPM HEXANE COLD STAB    1.85   17.8   412.7   3.02   19.9
  ICO[ACT] =  3.7 $CO HOT TRANS    2.05   12.7   401.6   5.03   20.7
  ICO[SPEC] = N/A $CO 75 FTP       2.13   19.0   418.6   3.98   19.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M

2135 72 BUIC RIVI 455 COLD TRANS  14.24   67.1   862.7   5.57    8.8
  IHC= 745 PPM HEXANE COLD STAB   15.04   13.7   823.5   4.30    9.9
  ICO[ACT] =  0.2 $CO HOT TRANS    9.84   15.0   736.7   6.24   11.2
  ICO[SPEC] = N/A $CO 75 FTP      13.45   25.0   807.9   5.09   10.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M

2136 72 CADI DEVI 472 COLD TRANS   2.69   68.7   914.7   2.48    8.6
  IHC= 240 PPM HEXANE COLD STAB    1.74   63.6   938.8   1.54    8.5
  ICO[ACT] =  5.6 $CO HOT TRANS    1.85   40.4   734.3   2.77   11.0
  ICO[SPEC] = N/A $CO 75 FTP       1.96   58.3   878.1   2.07    9.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M

2137 72 CHEV STAW 140 COLD TRANS   4.51   71.9   454.4   1.70   15.3
  IHC= 120 PPM HEXANE COLD STAB    1.71   21.1   484.5   1.59   17.0
  ICO[ACT] =  0.9 $CO HOT TRANS    2.84   26.0   399.3   1.95   19.8
  ICO[SPEC] = N/A $CO 75 FTP       2.59   32.9   455.1   1.71   17.2
  OTHER TESTS:        S/C SERIES  REVISED 3/M

2138 72 CHEV MALI 350 COLD TRANS   5.73   89.6   604.7   3.88   11.6
  IHC= 120 PPM HEXANE COLD STAB    3.21   51.8   612.8   1.83   12.6
  ICO[ACT] =  3.0 $CO HOT TRANS    3.61   32.7   534.0   3.92   14.9
  ICO[SPEC] = N/A $CO 75 FTP       4.05   54.4   589.6   2.82   12.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M

2139 72 CHEV MONT 350 COLD TRANS   3.67   59.3   593.1   4.61   12.7
  IHC= 290 PPM HEXANE COLD STAB    2.94   56.1   556.6   2.04   13.6
  ICO[ACT] =  5.6 $CO HOT TRANS    2.91   35.7   512.4   4.40   15.4
  ICO[SPEC] = N/A $CO 75 FTP       3.08   51.2   552.1   3.21   13.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                   -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC      CO     CO2    NOxo   ECON
-----------------------------------------------------------------------
2140 72 CHEV NOVA 307 COLD TRANS   4.03    41.7   531.7   3.73   14.6
  IHC= 260 PPM HEXANE COLD STAB    2.96    45.4   506.9   1.83   15.1
  ICO[ACT] =  5.8 %CO HOT TRANS    2.41    26.9   466.2   3.32   17.2
  ICO[SPEC] = N/A %CO 75 FTP       3.03    39.6   500.9   2.63   15.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2141 72 CHEV IMPA 350 COLD TRANS   4.83    76.7   636.8   3.85   11.5
  IHC= 250 PPM HEXANE COLD STAB    2.45    48.3   674.9   2.17   11.7
  ICO[ACT] =  3.3 %CO HOT TRANS    2.19    27.8   586.0   4.19   13.9
  ICO[SPEC] = N/A %CO 75 FTP       2.87    48.6   642.8   3.06   12.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2142 72 CHEV IMPA 400 COLD TRANS   6.33    79.2   686.5   5.07   10.7
  IHC= 200 PPM HEXANE COLD STAB    1.93    46.3   670.0   2.44   11.9
  ICO[ACT] =  4.7 %CO HOT TRANS    2.66    35.5   584.8   4.94   13.7
  ICO[SPEC] = N/A %CO 75 FTP       3.04    50.1   650.2   3.66   12.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2143 72 DODG DART 318 COLD TRANS   4.34    43.4   481.3   3.66   15.8
  IHC=  70 PPM HEXANE COLD STAB    3.11    15.5   544.3   2.80   15.3
  ICO[ACT] =  0.6 %CO HOT TRANS    2.99    13.7   454.3   4.15   18.3
  ICO[SPEC] = N/A %CO 75 FTP       3.33    20.8   506.8   3.35   16.1
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2144 72 FORD PINT 122 COLD TRANS   2.66    26.4   318.7   5.26   24.1
  IHC=1000 PPM HEXANE COLD STAB    2.05    15.9   317.3   3.58   25.4
  ICO[ACT] =  6.9 %CO HOT TRANS    1.84    15.5   281.2   4.62   28.5
  ICO[SPEC] = N/A %CO 75 FTP       2.12    17.9   307.7   4.21   25.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2145 72 FORD STAW 351 COLD TRANS   5.81   147.0   625.7   2.01   10.1
  IHC=  60 PPM HEXANE COLD STAB    1.63    17.9   679.0   2.06   12.5
  ICO[ACT] =  0.1 %CO HOT TRANS    2.23    20.9   582.6   3.23   14.3
  ICO[SPEC] = N/A %CO 75 FTP       2.65    45.3   641.7   2.37   12.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2146 72 FORD MAVE 200 COLD TRANS   3.59    51.8   442.6   6.27   16.6
  IHC= 450 PPM HEXANE COLD STAB    4.29    80.5   380.1   3.51   17.1
  ICO[ACT] =  7.5 %CO HOT TRANS    3.20    34.8   374.2   6.10   20.2
  ICO[SPEC] = N/A %CO 75 FTP       3.85    62.1   391.3   4.78   17.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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VEH                                                                   MPG
                                      -----GRAMS PER MILE-----       FUEL
NO.  YR MAKE MODL CID TEST  TYPE      HC      CO     CO2    NOxc     ECON
-------------------------------------------------------------------------
2147 72 FORD LTD  351 COLD TRANS    5.77    90.8   564.4    4.98     12.2
  IHC= 260 PPM HEXANE COLD STAB     4.38    85.4   553.1    3.32     12.7
  ICO[ACT] =  5.8 %CO HOT TRANS     3.04    52.4   506.2    5.85     14.8
  ICO[SPEC]=  0.1 %CO 75 FTP        4.30    77.5   542.6    4.35     13.1
  OTHER TESTS:        S/C SERIES    REVISED 3/M

2148 72 FORD LTD  400 COLD TRANS    2.90    56.3   717.1    5.30     10.9
  IHC= 150 PPM HEXANE COLD STAB     2.65    73.3   672.8    3.24     11.1
  ICO[ACT] =  4.5 %CO HOT TRANS     2.71    37.0   603.7    5.70     13.2
  ICO[SPEC] = N/A %CO 75 FTP        2.72    59.9   663.0    4.34     11.6
  OTHER TESTS:        S/C SERIES    REVISED 3/M

2149 72 MERC MONR 400 COLD TRANS   14.14    85.9   706.9    5.70     10.0
  IHC= 180 PPM HEXANE COLD STAB     3.59    49.4   681.2    3.73     11.5
  ICO[ACT] =  3.4 %CO HOT TRANS     4.23    28.9   614.7    6.29     13.2
  ICO[SPEC] = N/A %CO 75 FTP        5.94    51.4   668.4    4.83     11.6
  OTHER TESTS:        S/C SERIES    REVISED 3/M

2150 72 OLDS CUTL 350 COLD TRANS    3.73    63.8   570.3    3.88     13.0
  IHC= 160 PPM HEXANE COLD STAB     3.35    66.2   546.3    1.72     13.4
  ICO[ACT] =  3.3 %CO HOT TRANS     3.89    40.7   490.4    4.04     15.7
  ICO[SPEC] = N/A %CO 75 FTP        3.58    58.7   536.0    2.80     13.9
  OTHER TESTS:        S/C SERIES    REVISED 3/M

2151 72 PLYM DUST 225 COLD TRANS    6.94   143.8   420.7    2.88     13.3
  IHC= 650 PPM HEXANE COLD STAB     4.40    94.2   370.8    1.35     16.7
  ICO[ACT] =  2.4 %CO HOT TRANS     3.55    67.7   388.9    3.42     17.5
  ICO[SPEC] = N/A %CO 75 FTP        4.69    97.2   386.0    2.23     16.0
  OTHER TESTS:        S/C SERIES    REVISED 3/M

2152 72 PLYM FRY3 360 COLD TRANS    8.36   109.9   644.9    5.61     10.5
  IHC= 250 PPM HEXANE COLD STAB     4.57   112.8   603.2    2.84     11.2
  ICO[ACT] =  3.7 %CO HOT TRANS     4.09    79.0   554.6    5.42     12.8
  ICO[SPEC]=  0.5 %CO 75 FTP        5.22   103.0   598.5    4.12     11.4
  OTHER TESTS:        S/C SERIES    REVISED 3/M

2153 72 PONT FIRE 400 COLD TRANS    3.31    43.7   703.6    3.07     11.3
  IHC= 195 PPM HEXANE COLD STAB     3.56    68.7   698.2    1.05     10.9
  ICO[ACT] =  3.9 %CO HOT TRANS     3.22    39.5   600.5    2.70     13.2
  ICO[SPEC] = N/A %CO 75 FTP        3.41    55.6   672.7    1.91     11.5
  OTHER TESTS:        S/C SERIES    REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                     MPG
VEH                                     -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST  TYPE       HC     CO     CO2    NOXc    ECON
-------------------------------------------------------------------------
2154 72 PONT LEMA 350 COLD TRANS      6.18   72.5   651.1   3.86   11.3
  IHC= 500 PPM HEXANE COLD STAB       4.74   77.0   528.1   2.48   13.4
  ICO[ACT] =  6.2 %CO HOT TRANS       4.28   41.5   524.3   3.95   14.7
  ICO[SPEC] = N/A %CO 75 FTP          4.91   66.4   552.4   3.17   13.2
  OTHER TESTS:        S/C SERIES     REVISED 3/M

2155 72 DATS STAW  97 COLD TRANS      7.16   80.8   324.0   2.11   18.7
  IHC= 380 PPM HEXANE COLD STAB       4.00   31.3   388.7   2.11   19.7
  ICO[ACT] =  7.6 %CO HOT TRANS       3.35   21.4   316.1   3.31   24.6
  ICO[SPEC] = N/A %CO 75 FTP          4.48   38.8   355.6   2.43   20.6
  OTHER TESTS:        S/C SERIES     REVISED 3/M

2156 72 TOYO CORO 120 COLD TRANS      6.41   72.3   303.1   2.43   20.3
  IHC=  65 PPM HEXANE COLD STAB       2.33   57.2   344.4   0.89   20.1
  ICO[ACT] =  0.1 %CO HOT TRANS       2.61   40.6   295.6   2.58   24.1
  ICO[SPEC] = N/A %CO 75 FTP          3.24   55.8   322.6   1.67   21.1
  OTHER TESTS:        S/C SERIES     REVISED 3/M

2157 72 VOLK SEDA  97 COLD TRANS      3.72   37.5   297.8   3.81   24.1
  IHC= 170 PPM HEXANE COLD STAB       3.69   38.8   302.0   1.93   23.7
  ICO[ACT] =  4.5 %CO HOT TRANS       2.99   28.2   267.1   3.32   27.7
  ICO[SPEC] = N/A %CO 75 FTP          3.51   35.7   291.6   2.70   24.7
  OTHER TESTS:        S/C SERIES     REVISED 3/M

2158 72 VOLK STAW 103 COLD TRANS      3.25   28.0   418.8   2.33   18.8
  IHC= 820 PPM HEXANE COLD STAB       2.36   38.2   370.0   1.59   20.3
  ICO[ACT] =  7.0 %CO HOT TRANS       2.66   36.7   339.2   2.06   21.9
  ICO[SPEC] = N/A %CO 75 FTP          2.62   35.7   371.6   1.87   20.4
  OTHER TESTS:        S/C SERIES     REVISED 3/M

2385 72 BUIC SKYL 350 COLD TRANS      3.86   60.5   550.0   5.06   13.5
  IHC= 260 PPM HEXANE COLD STAB       4.02   76.6   529.9   2.65   13.4
  ICO[ACT] =  5.3 %CO HOT TRANS       2.98   38.2   474.2   4.28   16.3
  ICO[SPEC] = N/A %CO 75 FTP          3.70   62.8   518.8   3.59   14.1
  OTHER TESTS:        S/C SERIES     REVISED 3/M

2386 72 BUIC STAW 455 COLD TRANS      1.28   23.3  1042.5   6.12    8.2
  IHC=  50 PPM HEXANE COLD STAB       1.05   12.7  1018.7   3.95    8.5
  ICO[ACT] =  0.6 %CO HOT TRANS       1.42   11.6   884.7   5.53    9.8
  ICO[SPEC] = N/A %CO 75 FTP          1.19   14.6   987.1   4.83    8.8
  OTHER TESTS:        S/C SERIES     REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                 MPG
VEH                                -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2   NOxc    ECON
---------------------------------------------------------------------
2387 72 CHEV VEGA 140 COLD TRANS   2.18   70.1  482.3  2.50    14.8
  IHC=  75 PPM HEXANE COLD STAB    1.31   18.1  421.4  2.43    19.5
  ICO[ACT] =  1.3 %CO HOT TRANS    1.38   21.5  380.3  3.55    21.2
  ICO[SPEC] = N/A %CO 75 FTP       1.51   29.7  422.7  2.75    18.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2388 72 CHEV CHEL 307 COLD TRANS   4.64   36.4  588.4  3.07    13.4
  IHC= 350 PPM HEXANE COLD STAB    3.76   21.9  573.3  1.74    14.3
  ICO[ACT] =  2.2 %CO HOT TRANS    3.35   24.3  503.0  2.72    16.1
  ICO[SPEC] = N/A %CO 75 FTP       3.83   25.6  557.2  2.28    14.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2389 72 CHEV IMPA 350 COLD TRANS   4.57   85.6  721.3  3.41    10.2
  IHC= 290 PPM HEXANE COLD STAB    3.34   42.2  670.9  2.37    11.9
  ICO[ACT] =  4.6 %CO HOT TRANS    3.12   41.7  625.0  3.36    12.7
  ICO[SPEC] = N/A %CO 75 FTP       3.53   51.0  668.8  2.85    11.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2390 72 CHEV IMPA 350 COLD TRANS   4.93   97.0  605.9  3.40    11.5
  IHC= 380 PPM HEXANE COLD STAB    4.21  101.4  587.3  1.96    11.7
  ICO[ACT] =  8.4 %CO HOT TRANS    3.24   71.6  552.3  3.29    13.1
  ICO[SPEC] = N/A %CO 75 FTP       4.10   92.4  581.6  2.62    12.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2391 72 CHEV STAW 400 COLD TRANS   5.03   71.2  714.4  6.60    10.5
  IHC= 320 PPM HEXANE COLD STAB    3.53   13.0  649.9  4.42    13.0
  ICO[ACT] =  0.2 %CO HOT TRANS    3.32   23.4  587.9  6.26    14.0
  ICO[SPEC] = N/A %CO 75 FTP       3.79   27.8  646.2  5.37    12.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2392 72 CHRY NEWP 400 COLD TRANS   4.15   92.2  719.3  3.27    10.1
  IHC= 140 PPM HEXANE COLD STAB    3.37   65.1  740.0  2.04    10.4
  ICO[ACT] =  3.7 %CO HOT TRANS    4.02   63.9  634.6  3.38    11.9
  ICO[SPEC] = N/A %CO 75 FTP       3.71   70.3  707.0  2.66    10.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M

2393 72 DODG DART 225 COLD TRANS   4.51   70.3  298.8  1.53    21.0
  IHC= 160 PPM HEXANE COLD STAB    3.25   43.4  334.6  1.30    21.5
  ICO[ACT] =  3.7 %CO HOT TRANS    2.65   31.4  279.8  1.86    26.3
  ICO[SPEC] = N/A %CO 75 FTP       3.35   45.7  312.3  1.50    22.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                    MPG
VEH                                  -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC     CO     CO2    NOxc    ECON
-----------------------------------------------------------------------
2394 72 FORD PINT 122 COLD TRANS     3.85   83.8   342.8   2.35    18.2
  IHC=  35 PPM HEXANE COLD STAB      1.66   12.4   395.1   2.72    21.1
  ICO[ACT]  =  0.1 %CO HOT TRANS     1.82   26.6   332.3   2.93    23.4
  ICO[SPEC] =  N/A %CO 75 FTP        2.15   31.0   367.2   2.70    21.0
  OTHER TESTS:         S/C SERIES    REVISED 3/M

2395 72 FORD TORI 302 COLD TRANS     9.75   96.3   584.6   3.32    11.6
  IHC= 255 PPM HEXANE COLD STAB      2.74   47.8   596.2   1.89    13.1
  ICO[ACT]  =  4.4 %CO HOT TRANS     3.11   23.6   538.6   3.59    15.2
  ICO[SPEC] =  N/A %CO 75 FTP        4.28   51.2   578.1   2.65    13.2
  OTHER TESTS:         S/C SERIES    REVISED 3/M

2396 72 FORD TORI 351 COLD TRANS     3.07   41.9   644.3   5.31    12.3
  IHC= 130 PPM HEXANE COLD STAB      2.78   49.8   654.6   2.92    12.0
  ICO[ACT]  =  2.1 %CO HOT TRANS     2.95   31.3   567.7   5.29    14.2
  ICO[SPEC] =  N/A %CO 75 FTP        2.88   43.1   628.8   4.06    12.6
  OTHER TESTS:         S/C SERIES    REVISED 3/M

2397 72 FORD LTD  429 COLD TRANS     6.26  170.4   691.1   2.80     9.1
  IHC= 180 PPM HEXANE COLD STAB      3.82   70.3   699.3   2.25    10.8
  ICO[ACT]  =  3.0 %CO HOT TRANS     3.80   61.1   636.2   4.46    11.9
  ICO[SPEC] =  N/A %CO 75 FTP        4.32   88.4   680.4   2.96    10.7
  OTHER TESTS:         S/C SERIES    REVISED 3/M

2398 72 LINC MRK4 460 COLD TRANS     3.58   33.3   781.9   7.56    10.5
  IHC= 130 PPM HEXANE COLD STAB      3.18   36.1   776.5   4.58    10.5
  ICO[ACT]  =  1.7 %CO HOT TRANS     2.86   30.4   684.4   7.07    12.0
  ICO[SPEC] =  N/A %CO 75 FTP        3.18   34.0   752.5   5.88    10.9
  OTHER TESTS:         S/C SERIES    REVISED 3/M

2399 72 MERC MARQ 429 COLD TRANS     4.55  128.8   679.3   4.21     9.9
  IHC=  80 PPM HEXANE COLD STAB      2.32   21.3   762.0   3.41    11.1
  ICO[ACT]  =  0.8 %CO HOT TRANS     2.88   23.1   640.3   5.98    12.9
  ICO[SPEC] =  N/A %CO 75 FTP        2.93   43.9   711.8   4.28    11.2
  OTHER TESTS:         S/C SERIES    REVISED 3/M

2400 72 OLDS CUTL 350 COLD TRANS     3.18   59.7   721.9   3.53    10.7
  IHC= 100 PPM HEXANE COLD STAB      1.88   29.6   714.9   1.83    11.6
  ICO[ACT]  =  1.4 %CO HOT TRANS     2.10   20.7   594.8   3.58    14.0
  ICO[SPEC] =  N/A %CO 75 FTP        2.21   33.4   683.6   2.65    11.9
  OTHER TESTS:         S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                     MPG
VEH                                   -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST  TYPE      HC     CO     CO2    NOXc     ECON
------------------------------------------------------------------------
2401 72 OLDS ROYA 455 COLD TRANS    3.95   69.5   720.3   5.87    10.5
  IHC=  95 PPM HEXANE COLD STAB     1.52   12.1   791.1   2.62    10.9
  ICO[ACT] =  0.8 %CO HOT TRANS     1.96    7.9   656.5   5.66    13.1
  ICO[SPEC]=  1.0 %CO 75 FTP        2.14   22.8   739.8   4.12    11.3
  OTHER TESTS:        S/C SERIES

2402 72 PLYM DUST 318 COLD TRANS    4.28   66.8   479.2   4.41    14.8
  IHC= 195 PPM HEXANE COLD STAB     3.62   68.7   466.9   3.20    15.1
  ICO[ACT] =  5.9 %CO HOT TRANS     2.69   32.7   449.2   4.79    17.4
  ICO[SPEC] = N/A %CO 75 FTP        3.50   58.5   464.6   3.88    15.6
  OTHER TESTS:        S/C SERIES    REVISED 3/M

2403 72 PONT STAW 455 COLD TRANS    3.62   39.3   756.5   5.05    10.7
  IHC= 160 PPM HEXANE COLD STAB     2.19   17.9   811.4   2.20    10.5
  ICO[ACT] =  1.1 %CO HOT TRANS     2.70   14.3   642.1   4.62    13.2
  ICO[SPEC] = N/A %CO 75 FTP        2.62   21.3   753.9   3.45    11.2
  OTHER TESTS:        S/C SERIES    REVISED 3/M

2404 72 CAPR COUP 122 COLD TRANS    3.27   42.9   320.0   2.45    22.3
  IHC= 300 PPM HEXANE COLD STAB     3.24   30.7   332.9   1.57    22.7
  ICO[ACT] =  2.5 %CO HOT TRANS     2.44   17.7   298.7   2.58    26.6
  ICO[SPEC]=  2.5 %CO 75 FTP        3.03   29.6   320.9   2.02    23.5
  OTHER TESTS:        S/C SERIES    REVISED 3/M

1159 71 BUIC ELEC 455 COLD TRANS   11.37   63.9   850.4   4.49     9.0
  IHC= 355 PPM HEXANE COLD STAB     4.63   39.8   854.6   2.72     9.5
  ICO[ACT] =  2.2 %CO HOT TRANS     3.49   23.0   728.5   4.57    11.4
  ICO[SPEC] = N/A %CO 75 FTP        5.71   40.2   819.4   3.59     9.9
  OTHER TESTS:        S/C SERIES    N.Y. CITY

1160 71 BUIC SKYL 350 COLD TRANS   10.39  172.4   498.5   3.89    11.1
  IHC= 275 PPM HEXANE COLD STAB     4.32  111.7   504.6   2.10    12.8
  ICO[ACT] =  6.0 %CO HOT TRANS     3.31   52.1   478.4   4.76    15.6
  ICO[SPEC] = N/A %CO 75 FTP        5.30  107.9   496.2   3.20    13.0
  OTHER TESTS:        S/C SERIES    REVISED 3/M

1161 71 CHEV VEGA 140 COLD TRANS    4.75   74.2   366.4   1.29    17.8
  IHC= 790 PPM HEXANE COLD STAB     4.60   38.0   363.1   1.37    20.3
  ICO[ACT] = 10.0 %CO HOT TRANS     2.85   33.0   317.3   1.40    23.5
  ICO[SPEC] = N/A %CO 75 FTP        4.15   44.1   351.3   1.36    20.5
  OTHER TESTS:        S/C SERIES    REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                  MPG
VEH                                 -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc    ECON
-------------------------------------------------------------------------
1162 71 CHEV MALI 350 COLD TRANS   4.75   64.2   593.1   3.87    12.5
 IHC= 265 PPM HEXANE COLD STAB     2.67   29.3   611.3   2.08    13.3
 ICO[ACT] =  3.1 %CO HOT TRANS     2.55   22.5   542.3   3.85    15.2
 ICO[SPEC] = N/A %CO 75 FTP        3.06   34.6   588.7   2.93    13.6
 OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y. CITY

1163 71 CHEV CAMA 307 COLD TRANS   3.47   39.3   605.0   3.42    13.1
 IHC= 320 PPM HEXANE COLD STAB     2.91   26.5   598.9   2.10    13.7
 ICO[ACT] =  3.8 %CO HOT TRANS     2.44   20.1   535.4   3.27    15.4
 ICO[SPEC] = N/A %CO 75 FTP        2.89   27.4   582.8   2.69    14.0
 OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y. CITY

1164 71 CHEV IMPA 350 COLD TRANS   3.49   39.6   655.2   4.19    12.2
 IHC= 145 PPM HEXANE COLD STAB     1.94   14.2   647.2   2.81    13.1
 ICO[ACT] =  0.2 %CO HOT TRANS     1.92   15.8   555.3   4.58    15.1
 ICO[SPEC] = N/A %CO 75 FTP        2.25   19.9   623.8   3.58    13.4
 OTHER TESTS:        S/C SERIES   N.Y. CITY

1165 71 CHEV BELA 350 COLD TRANS   4.80   65.1   546.5   3.51    13.4
 IHC= 275 PPM HEXANE COLD STAB     3.49   38.2   536.6   2.01    14.6
 ICO[ACT] =  3.2 %CO HOT TRANS     3.27   26.1   480.0   4.09    16.7
 ICO[SPEC] = N/A %CO 75 FTP        3.70   40.4   523.2   2.89    14.8
 OTHER TESTS:        S/C SERIES   REVISED 3/M

1166 71 CHRY NEWP 440 COLD TRANS   7.76  191.2   698.4   2.29     8.7
 IHC= 110 PPM HEXANE COLD STAB     4.28   75.3   679.6   2.19    10.9
 ICO[ACT] =  2.9 %CO HOT TRANS     3.73   61.9   633.4   3.02    12.0
 ICO[SPEC] = N/A %CO 75 FTP        4.84   95.5   670.9   2.44    10.6
 OTHER TESTS:        S/C SERIES   REVISED 3/M

1167 71 DODG CORO 318 COLD TRANS   6.02   78.7   521.4   5.48    13.4
 IHC= 250 PPM HEXANE COLD STAB     4.49   62.3   453.8   3.79    15.7
 ICO[ACT] =  4.5 %CO HOT TRANS     3.90   31.8   458.3   6.55    17.0
 ICO[SPEC] = N/A %CO 75 FTP        4.64   57.4   469.0   4.89    15.5
 OTHER TESTS:        S/C SERIES

1168 71 FORD PINT 122 COLD TRANS   3.67   55.1   299.8   2.44    22.3
 IHC= 300 PPM HEXANE COLD STAB     3.91   57.2   317.5   1.80    21.1
 ICO[ACT] =  8.0 %CO HOT TRANS     2.92   36.8   273.2   2.79    26.1
 ICO[SPEC] = N/A %CO 75 FTP        3.59   51.2   301.8   2.20    22.6
 OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                               MPG
VEH                                -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO    CO2   NOxc   ECON
-------------------------------------------------------------------
1169 71 FORD TORI 302 COLD TRANS  4.43  67.1  646.8  3.03   11.6
  IHC= 120 PPM HEXANE COLD STAB   2.67  22.0  599.1  2.29   13.8
  ICO[ACT] =  0.3 $CO HOT TRANS   3.26  24.1  566.9  3.33   14.4
  ICO[SPEC]=  0.4 $CO 75 FTP      3.19  31.9  600.1  2.73   13.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M

1170 71 FORD MUST 250 COLD TRANS  4.30  52.1  471.1  8.33   15.7
  IHC= 460 PPM HEXANE COLD STAB   3.81  39.1  452.2  5.70   16.9
  ICO[ACT] =  5.8 $CO HOT TRANS   3.22  22.8  434.0  8.20   18.5
  ICO[SPEC] = N/A $CO 75 FTP      3.75  37.3  451.1  6.93   17.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

1171 71 FORD GALA 351 COLD TRANS  5.05  33.7  545.4  6.96   14.4
  IHC= 380 PPM HEXANE COLD STAB   3.71  26.3  508.0  4.22   15.8
  ICO[ACT] =  1.1 $CO HOT TRANS   3.94  22.5  487.3  6.57   16.6
  ICO[SPEC]=  0.2 $CO 75 FTP      4.05  26.8  510.1  5.42   15.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

1172 71 FORD LTD  400 COLD TRANS  5.95 140.8  734.9  2.56    9.1
  IHC= 200 PPM HEXANE COLD STAB   1.60  11.8  790.7  2.09   10.9
  ICO[ACT] =  0.2 $CO HOT TRANS   2.59  11.6  696.6  3.27   12.3
  ICO[SPEC] = N/A $CO 75 FTP      2.76  38.3  753.6  2.51   10.8
  OTHER TESTS:        S/C SERIES

1173 71 MERC COUG 351 COLD TRANS  4.29  34.2  615.1  4.73   13.0
  IHC= 135 PPM HEXANE COLD STAB   2.26  33.0  598.2  2.13   13.5
  ICO[ACT] =  1.4 $CO HOT TRANS   2.54  22.2  530.8  4.42   15.5
  ICO[SPEC] = N/A $CO 75 FTP      2.75  30.3  583.3  3.29   13.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

1174 71 OLDS NNTY 455 COLD TRANS  4.87  41.3  776.6  7.83   10.4
  IHC= 110 PPM HEXANE COLD STAB   2.49  28.1  708.1  4.74   11.7
  ICO[ACT] =  1.5 $CO HOT TRANS   3.22  17.7  639.1  7.95   13.1
  ICO[SPEC] = N/A $CO 75 FTP      3.18  28.0  703.4  6.25   11.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M

1175 71 PLYM VALI 225 COLD TRANS  3.26  50.1  437.4  5.77   16.9
  IHC= 140 PPM HEXANE COLD STAB   2.49  34.0  405.4  4.31   19.0
  ICO[ACT] =  2.1 $CO HOT TRANS   2.37  25.5  393.9  5.75   20.1
  ICO[SPEC] = N/A $CO 75 FTP      2.62  35.0  408.8  5.01   18.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                MPG
VEH                                   -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2   NOxc   ECON
---------------------------------------------------------------------
1176 71 PONT BONN 455 COLD TRANS   2.84   34.8   767.9  3.62   10.7
  IHC= 480 PPM HEXANE COLD STAB    3.46   69.0   623.5  2.08   11.9
  ICO[ACT] =  9.3 %CO HOT TRANS    2.36   36.6   597.3  3.20   13.4
  ICO[SPEC] = N/A %CO 75 FTP       3.03   53.1   646.1  2.70   12.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M

1177 71 PONT LEMA 350 COLD TRANS   4.24   57.3   777.0  3.50   10.1
  IHC= 172 PPM HEXANE COLD STAB    2.67   37.3   717.2  1.96   11.3
  ICO[ACT] =  3.1 %CO HOT TRANS    2.42   20.5   645.5  3.43   13.0
  ICO[SPEC] = N/A %CO 75 FTP       2.92   36.8   710.0  2.68   11.4
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

1178 71 DATS STAW  97 COLD TRANS   3.28   16.3   307.0  7.20   25.9
  IHC= 825 PPM HEXANE COLD STAB    4.63   14.6   292.7  5.47   26.9
  ICO[ACT] =  0.2 %CO HOT TRANS    3.28   14.5   257.3  7.09   30.5
  ICO[SPEC]=   2.0 %CO 75 FTP      3.98   14.9   286.0  6.27   27.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

1179 71 TOYO CORO  71 COLD TRANS   3.66   53.1   290.9  2.10   23.0
  IHC= 305 PPM HEXANE COLD STAB    3.34   46.1   293.5  1.09   23.6
  ICO[ACT] =  2.9 %CO HOT TRANS    2.72   36.5   255.0  2.03   27.6
  ICO[SPEC] = N/A %CO 75 FTP       3.24   44.9   282.5  1.55   24.4
  OTHER TESTS:        S/C SERIES   REVISED 3/M

1180 71 VOLK SEDA  97 COLD TRANS   4.68   72.4   321.4  1.96   19.7
  IHC= 170 PPM HEXANE COLD STAB    2.30   42.0   385.7  1.43   19.3
  ICO[ACT] =  3.0 %CO HOT TRANS    2.98   44.6   329.4  2.01   21.7
  ICO[SPEC] = N/A %CO 75 FTP       2.98   48.9   357.1  1.69   20.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M

1405 71 AMC  AMBA 360 COLD TRANS   6.96   69.2   601.7  6.01   12.1
  IHC= 180 PPM HEXANE COLD STAB    3.38   41.0   602.3  2.46   13.1
  ICO[ACT] =  2.1 %CO HOT TRANS    3.38   29.9   534.0  5.83   15.0
  ICO[SPEC] = N/A %CO 75 FTP       4.12   43.8   583.5  4.11   13.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M

1406 71 BUIC STAW 455 COLD TRANS   2.54   51.9  1013.6  5.83    8.0
  IHC= 100 PPM HEXANE COLD STAB    2.13   36.7   996.5  3.06    8.4
  ICO[ACT] =  1.9 %CO HOT TRANS    2.21   31.7   845.5  4.98    9.8
  ICO[SPEC] = N/A %CO 75 FTP       2.24   38.5   958.8  4.16    8.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                MPG
VEH                                     -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2   NOxc   ECON
----------------------------------------------------------------------
1407 71 CADI DEVI 472 COLD TRANS  5.54 192.7  665.0  2.21   9.0
 IHC= 120 PPM HEXANE COLD STAB    3.60 115.2  698.4  1.79  10.0
 ICO[ACT] =  3.2 %CO HOT TRANS    2.49  65.2  619.8  3.43  12.2
 ICO[SPEC] = N/A %CO 75 FTP       3.70 117.5  670.1  2.32  10.2
 OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y.  CITY

1408 71 CHEV CHEL 350 COLD TRANS  4.58  45.7  534.8  5.04  14.3
 IHC= 530 PPM HEXANE COLD STAB    4.53  21.3  534.1  3.70  15.3
 ICO[ACT] =  0.3 %CO HOT TRANS    3.76  13.2  477.0  5.40  17.4
 ICO[SPEC] = N/A %CO 75 FTP       4.33  24.1  518.6  4.44  15.6
 OTHER TESTS:        S/C SERIES  REVISED 3/M

1409 71 CHEV MALI 307 COLD TRANS  7.04  55.5  466.9  3.28  15.4
 IHC= 260 PPM HEXANE COLD STAB    4.43  32.6  487.9  1.75  16.0
 ICO[ACT] =  2.9 %CO HOT TRANS    4.63  39.7  412.6  3.12  18.1
 ICO[SPEC]=  0.5 %CO 75 FTP       5.02  39.3  463.0  2.44  16.4
 OTHER TESTS:        S/C SERIES  REVISED 3/M

1410 71 CHEV MALI 350 COLD TRANS  3.73  60.6  564.7  2.28  13.2
 IHC= 285 PPM HEXANE COLD STAB    3.01  51.8  541.2  1.39  14.0
 ICO[ACT] =  3.9 %CO HOT TRANS    2.65  40.1  484.7  2.14  16.0
 ICO[SPEC] = N/A %CO 75 FTP       3.06  50.4  530.6  1.78  14.3
 OTHER TESTS:        S/C SERIES  REVISED 3/M

1411 71 CHEV IMPA 400 COLD TRANS  5.19 123.9  659.8  3.59  10.2
 IHC= 260 PPM HEXANE COLD STAB    3.13  76.8  663.8  2.41  11.2
 ICO[ACT] =  7.0 %CO HOT TRANS    3.09  46.1  626.0  3.93  12.5
 ICO[SPEC] = N/A %CO 75 FTP       3.54  78.1  652.6  3.07  11.3
 OTHER TESTS:        S/C SERIES  REVISED 3/M

1412 71 DODG DART 225 COLD TRANS  4.14  65.8  408.9  4.62  16.9
 IHC= 385 PPM HEXANE COLD STAB    3.59  67.2  365.9  2.85  18.4
 ICO[ACT] =  8.3 %CO HOT TRANS    3.00  45.0  368.6  4.50  19.8
 ICO[SPEC] = N/A %CO 75 FTP       3.54  60.9  375.5  3.66  18.4
 OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y.  CITY

1413 71 FORD STAW 302 COLD TRANS  5.70  65.3  624.0  5.71  11.9
 IHC= 700 PPM HEXANE COLD STAB    4.91  37.6  591.7  2.85  13.3
 ICO[ACT] =  1.7 %CO HOT TRANS    4.52  26.7  547.8  6.07  14.7
 ICO[SPEC] = N/A %CO 75 FTP       4.97  40.3  586.4  4.31  13.3
 OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y.  CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                 MPG
                                     -----GRAMS PER MILE-----   FUEL
VEH
NO.  YR MAKE MODL CID TEST  TYPE      HC     CO    CO2   NOxc   ECON
--------------------------------------------------------------------
1414 71 FORD TORI 351 COLD TRANS   11.21   88.1  590.1  3.12   11.6
  IHC= 350 PPM HEXANE COLD STAB     4.83  105.0  541.9  1.81   12.3
  ICO[ACT] =  8.5 %CO HOT TRANS     7.94   76.4  514.7  3.12   13.4
  ICO[SPEC]=  0.2 %CO 75 FTP        6.99   93.7  544.4  2.44   12.4
  OTHER TESTS:        S/C SERIES

1415 71 FORD GALA 351 COLD TRANS   11.57   90.2  532.3  5.13   12.5
  IHC= 360 PPM HEXANE COLD STAB     5.33  114.6  500.7  2.53   12.7
  ICO[ACT] =  9.3 %CO HOT TRANS     5.59   74.2  477.3  4.93   14.5
  ICO[SPEC] = N/A %CO 75 FTP        6.68   98.5  500.8  3.72   13.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M

1416 71 MERC STAW 400 COLD TRANS    3.83   72.2 1048.4  3.73    7.6
  IHC= 105 PPM HEXANE COLD STAB     2.91   84.7  937.8  2.66    8.2
  ICO[ACT] =  3.7 %CO HOT TRANS     2.17   46.4  874.3  3.45    9.3
  ICO[SPEC] = N/A %CO 75 FTP        2.89   71.7  943.3  3.09    8.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M

1417 71 OLDS STAW 350 COLD TRANS    4.30   66.8  561.9  4.54   13.0
  IHC= 150 PPM HEXANE COLD STAB     3.04   50.5  589.8  2.70   13.1
  ICO[ACT] =  1.7 %CO HOT TRANS     2.95   36.0  508.5  4.55   15.5
  ICO[SPEC] = N/A %CO 75 FTP        3.28   49.9  561.8  3.59   13.6
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

1418 71 OLDS CUTL 350 COLD TRANS    4.72   75.5  564.2  4.42   12.7
  IHC= 250 PPM HEXANE COLD STAB     3.09   50.9  572.0  2.34   13.4
  ICO[ACT] =  4.2 %CO HOT TRANS     3.05   27.6  517.9  4.93   15.5
  ICO[SPEC] = N/A %CO 75 FTP        3.41   49.6  555.6  3.48   13.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M

1419 71 PLYM VALI 318 COLD TRANS    5.91   83.1  506.9  4.78   13.5
  IHC= 190 PPM HEXANE COLD STAB     5.51  101.9  465.0  2.81   13.8
  ICO[ACT] =  5.1 %CO HOT TRANS     4.27   39.2  465.1  5.56   16.4
  ICO[SPEC] = N/A %CO 75 FTP        5.25   80.9  473.6  3.96   14.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

1420 71 PLYM FRY3 360 COLD TRANS    4.75   68.2  629.6  2.36   11.8
  IHC= 165 PPM HEXANE COLD STAB     3.22   61.5  574.8  2.93   13.0
  ICO[ACT] =  4.6 %CO HOT TRANS     2.94   39.3  517.4  5.56   15.1
  ICO[SPEC] = N/A %CO 75 FTP        3.46   56.8  570.4  3.53   13.2
  OTHER TESTS:        S/C SERIES
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                MPG
VEH                                    -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2   NOxc   ECON
----------------------------------------------------------------------
1421 71 PONT VENT 307 COLD TRANS   5.94  105.2   567.6   3.48   11.8
  IHC= 390 PPM HEXANE COLD STAB    4.27   61.2   544.9   2.12   13.6
  ICO[ACT] =  7.4 %CO HOT TRANS    3.32   37.8   483.7   3.67   16.0
  ICO[SPEC] = N/A %CO 75 FTP       4.36   63.9   532.9   2.82   13.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M

1422 71 VOLK SEDA  97 COLD TRANS   4.36   71.3   286.9   1.60   21.5
  IHC= 460 PPM HEXANE COLD STAB    4.42   64.3   342.3   1.61   19.4
  ICO[ACT] =  7.5 %CO HOT TRANS    3.82   44.0   295.8   2.64   23.5
  ICO[SPEC] = N/A %CO 75 FTP       4.25   60.2   318.2   1.89   20.8
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

1720 71 MERB 220D 141 COLD TRANS   0.76    1.8   452.2   1.63   22.2
  IHC=  10 PPM HEXANE COLD STAB    0.84    2.0   417.3   1.55   24.1
  ICO[ACT] =  0.0 %CO HOT TRANS    0.53    1.7   395.4   1.51   25.5
  ICO[SPEC] = N/A %CO 75 FTP       0.74    1.9   418.5   1.55   24.0
  OTHER TESTS:        MODAL  HFET   DIESEL

0181 70 AMC  HORN 232 COLD TRANS   3.12   44.5   527.1   3.39   14.6
  IHC= 160 PPM HEXANE COLD STAB    1.87   35.7   448.4   2.00   17.4
  ICO[ACT] =  2.9 %CO HOT TRANS    1.99   21.2   441.7   3.03   18.4
  ICO[SPEC] = N/A %CO 75 FTP       2.16   33.6   462.7   2.57   17.0
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

0182 70 BUIC WILD 455 COLD TRANS   7.42  175.2   663.7   3.85    9.2
  IHC= 210 PPM HEXANE COLD STAB    4.47   95.5   727.1   2.26   10.0
  ICO[ACT] =  4.8 %CO HOT TRANS    3.50   51.0   629.3   4.35   12.3
  ICO[SPEC] = N/A %CO 75 FTP       4.81   99.8   687.4   3.16   10.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

0183 70 CHEV NOVA 307 COLD TRANS   7.14  117.6   479.9   1.91   12.9
  IHC= 450 PPM HEXANE COLD STAB    4.32   97.2   530.0   1.30   12.7
  ICO[ACT] = 10.0 %CO HOT TRANS    3.35   59.5   488.9   1.95   15.0
  ICO[SPEC] = N/A %CO 75 FTP       4.64   91.1   508.5   1.60   13.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

0184 70 CHEV MALI 307 COLD TRANS   3.96   38.8   455.4   5.38   16.8
  IHC= 360 PPM HEXANE COLD STAB    3.55   59.3   429.4   2.54   16.6
  ICO[ACT] =  3.8 %CO HOT TRANS    2.64   29.0   393.8   5.04   19.8
  ICO[SPEC] = N/A %CO 75 FTP       3.39   46.8   425.1   3.81   17.4
  OTHER TESTS:        S/C SERIES   N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                  MPG
VEH                                  -----GRAMS PER MILE-----    FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC    CO    CO2    NOxc    ECON
---------------------------------------------------------------------
0185 70 CHEV MALI 350 COLD TRANS   5.78  87.0  522.6  3.79  13.1
  IHC= 100 PPM HEXANE COLD STAB    3.19  31.9  597.1  2.30  13.5
  ICO[ACT] =  1.5 %CO HOT TRANS    3.34  22.1  500.6  4.98  16.3
  ICO[SPEC] = N/A %CO 75 FTP       3.76  40.6  555.4  3.34  14.1
  OTHER TESTS:        S/C SERIES   N.Y. CITY

0186 70 CHEV IMPA 350 COLD TRANS   5.97  65.9  522.4  3.44  13.8
  IHC= 315 PPM HEXANE COLD STAB    4.29  61.1  525.5  1.96  14.0
  ICO[ACT] =  4.5 %CO HOT TRANS    3.47  39.7  486.7  3.52  15.8
  ICO[SPEC] = N/A %CO 75 FTP       4.42  56.3  514.3  2.69  14.4
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

0187 70 CHEV IMPA 400 COLD TRANS   6.47 139.5  521.5  3.92  11.7
  IHC= 340 PPM HEXANE COLD STAB    3.15  42.5  524.4  2.58  14.8
  ICO[ACT] =  4.1 %CO HOT TRANS    2.61  24.5  495.9  4.84  16.4
  ICO[SPEC] = N/A %CO 75 FTP       3.69  57.5  516.0  3.47  14.4
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

0188 70 DODG CORO 225 COLD TRANS   6.12  91.3  316.6  2.57  18.5
  IHC= 160 PPM HEXANE COLD STAB    3.54  71.7  345.7  2.17  18.9
  ICO[ACT] =  4.0 %CO HOT TRANS    2.80  45.4  306.2  3.22  23.0
  ICO[SPEC] = N/A %CO 75 FTP       3.87  68.6  329.0  2.54  19.8
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

0189 70 FORD MUST 302 COLD TRANS   6.20 122.4  535.6  3.00  11.9
  IHC= 180 PPM HEXANE COLD STAB    4.20 128.0  589.1  1.26  11.0
  ICO[ACT] =  4.7 %CO HOT TRANS    4.29  65.1  488.8  2.96  14.7
  ICO[SPEC] = N/A %CO 75 FTP       4.64 109.7  550.7  2.08  12.0
  OTHER TESTS:        S/C SERIES   N.Y. CITY

0190 70 FORD TORI 302 COLD TRANS   5.15  83.2  519.1  3.38  13.3
  IHC= 290 PPM HEXANE COLD STAB    3.35  32.8  519.2  2.16  15.3
  ICO[ACT] =  0.9 %CO HOT TRANS    3.41  34.0  457.5  3.60  17.0
  ICO[SPEC] = N/A %CO 75 FTP       3.74  43.5  502.3  2.81  15.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

0191 70 FORD GALA 351 COLD TRANS   6.51  92.1  581.0  3.57  11.9
  IHC= 150 PPM HEXANE COLD STAB    4.65  59.9  588.9  2.97  12.7
  ICO[ACT] =  3.0 %CO HOT TRANS    4.46  45.9  531.6  4.57  14.4
  ICO[SPEC] = N/A %CO 75 FTP       4.98  62.7  571.6  3.53  12.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                MPG
VEH                                   -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC     CO     CO2    NOxc   ECON
--------------------------------------------------------------------
0192 70 FORD GALA 351 COLD TRANS 61.11 528.7  448.2  0.38   6.0
  IHC=  35 PPM HEXANE COLD STAB   2.95  23.2  696.5  3.79  12.0
  ICO[ACT] =  0.1 $CO HOT TRANS   3.79  33.1  585.2  5.49  13.7
  ICO[SPEC] = N/A $CO 75 FTP     15.15 130.0  615.0  3.55  10.2
  OTHER TESTS:        S/C SERIES  N.Y. CITY

0193 70 MERC STAW 390 COLD TRANS  4.53  81.0  695.1  2.74  10.6
  IHC= 200 PPM HEXANE COLD STAB   3.52  95.7  644.0  1.94  11.0
  ICO[ACT] =  6.2 $CO HOT TRANS   3.10  59.1  593.2  3.14  12.8
  ICO[SPEC] = N/A $CO 75 FTP      3.61  82.7  640.6  2.43  11.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

0194 70 OLDS CUTL 350 COLD TRANS  4.63  44.4  546.6  5.73  14.1
  IHC= 340 PPM HEXANE COLD STAB   3.83   3.0  541.7  4.17  15.9
  ICO[ACT] =  0.1 $CO HOT TRANS   3.73   3.9  486.4  6.57  17.6
  ICO[SPEC]=  1.1 $CO 75 FTP      3.97  11.8  527.6  5.15  15.9
  OTHER TESTS:        S/C SERIES  N.Y. CITY

0195 70 PLYM STAW 383 COLD TRANS  5.68 143.4  624.9  4.78  10.2
  IHC= 155 PPM HEXANE COLD STAB   4.40 116.9  651.7  3.55  10.5
  ICO[ACT] =  6.9 $CO HOT TRANS   3.76  71.6  578.1  5.66  12.6
  ICO[SPEC] = N/A $CO 75 FTP      4.49 110.0  626.1  4.38  10.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

0196 70 PLYM DUST 318 COLD TRANS 25.05  40.8  567.0  6.17  12.5
  IHC= 750 PPM HEXANE COLD STAB  11.47  17.7  577.5  4.20  13.8
  ICO[ACT] =  0.6 $CO HOT TRANS  20.66  27.5  496.8  6.24  14.7
  ICO[SPEC] = N/A $CO 75 FTP     16.77  25.1  553.3  5.16  13.7
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

0197 70 PONT FIRE 350 COLD TRANS  5.38 110.5  549.9  1.48  12.0
  IHC= 180 PPM HEXANE COLD STAB   3.95  91.0  551.4  0.94  12.6
  ICO[ACT] =  1.2 $CO HOT TRANS   3.70  88.6  485.1  1.19  14.0
  ICO[SPEC] = N/A $CO 75 FTP      4.18  94.4  533.0  1.12  12.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

0198 70 DATS 510   97 COLD TRANS  4.59  41.0  310.0  5.18  22.8
  IHC= 100 PPM HEXANE COLD STAB   2.97  15.9  316.2  3.80  25.3
  ICO[ACT] =  0.8 $CO HOT TRANS   2.32  10.7  281.6  5.41  29.0
  ICO[SPEC]=  4.0 $CO 75 FTP      3.13  19.6  305.5  4.52  25.6
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                 MPG
VEH                                    -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC      CO     CO2   NOxc  ECON
----------------------------------------------------------------------
0199 70 TOYO CORO 116 COLD TRANS   2.72   28.8   373.2  6.27  20.8
  IHC=  90 PPM HEXANE COLD STAB    2.00   35.4   325.2  2.98  22.9
  ICO[ACT] =  1.0 $CO HOT TRANS    1.93   26.4   322.0  4.73  24.0
  ICO[SPEC] = N/A $CO 75 FTP       2.13   31.6   334.2  4.14  22.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y.  CITY

0200 70 VOLK KARM  97 COLD TRANS   3.42   62.7   301.6  2.99  21.6
  IHC= 175 PPM HEXANE COLD STAB    2.98   55.5   336.5  1.78  20.5
  ICO[ACT] =  7.7 $CO HOT TRANS    2.44   43.1   279.7  2.58  25.0
  ICO[SPEC] = N/A $CO 75 FTP       2.93   53.6   313.8  2.25  21.8
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y.  CITY

0423 70 BUIC SKYL 350 COLD TRANS   6.29  147.2   447.5  1.58  12.7
  IHC= 230 PPM HEXANE COLD STAB    4.54   82.8   508.4  1.70  13.6
  ICO[ACT] =  3.5 $CO HOT TRANS    3.54   46.8   482.1  4.00  15.7
  ICO[SPEC] = N/A $CO 75 FTP       4.62   86.3   488.7  2.30  13.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y.  CITY

0424 70 BUIC LESA 350 COLD TRANS   5.02  115.3   540.7  3.57  12.0
  IHC= 280 PPM HEXANE COLD STAB    6.41  135.9   482.5  2.47  12.4
  ICO[ACT] =  7.4 $CO HOT TRANS    4.58   74.0   467.7  3.77  14.8
  ICO[SPEC] = N/A $CO 75 FTP       5.63  114.8   490.4  3.05  12.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y.  CITY

0425 70 CADI DEVI 472 COLD TRANS   9.61  300.2   469.1  0.68   9.1
  IHC= 340 PPM HEXANE COLD STAB   10.62  360.5   434.9  0.33   8.6
  ICO[ACT] =  5.8 $CO HOT TRANS    8.43  293.7   387.6  0.46  10.1
  ICO[SPEC] = N/A $CO 75 FTP       9.82  329.9   429.0  0.44   9.1
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y.  CITY

0426 70 CHEV MALI 307 COLD TRANS   5.95   78.6   516.0  5.30  13.5
  IHC= 415 PPM HEXANE COLD STAB    6.00   99.9   448.7  2.90  14.2
  ICO[ACT] =  8.4 $CO HOT TRANS    4.51   52.7   438.9  5.09  16.6
  ICO[SPEC] = N/A $CO 75 FTP       5.58   82.6   459.9  3.99  14.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y.  CITY

0427 70 CHEV MONT 350 COLD TRANS   8.20  104.8   583.3  3.20  11.5
  IHC= 600 PPM HEXANE COLD STAB    8.48   71.7   595.6  1.80  12.1
  ICO[ACT] =  3.0 $CO HOT TRANS    6.39   43.8   522.9  3.19  14.5
  ICO[SPEC] = N/A $CO 75 FTP       7.85   70.9   573.2  2.47  12.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y.  CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                MPG
VEH                                   -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC    CO     CO2   NOxc    ECON
--------------------------------------------------------------------
0428 70 CHEV IMPA 350 COLD TRANS    6.93 123.0   502.7  3.06   12.4
  IHC= 375 PPM HEXANE COLD STAB     5.95 107.3   478.0  2.08   13.3
  ICO[ACT] =  8.2 $CO HOT TRANS     4.90  68.2   454.1  3.90   15.4
  ICO[SPEC] = N/A $CO 75 FTP        5.87  99.8   476.6  2.78   13.6
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

0429 70 CHRY NEWP 383 COLD TRANS    9.31  72.8   602.7  4.75   11.9
  IHC= 295 PPM HEXANE COLD STAB     6.47  92.4   563.4  3.09   12.2
  ICO[ACT] =  8.4 $CO HOT TRANS     5.39  50.1   534.1  5.41   14.1
  ICO[SPEC] = N/A $CO 75 FTP        6.76  76.8   563.5  4.07   12.6
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

0430 70 DODG STAW 318 COLD TRANS   15.36 119.3   632.4  6.63   10.2
  IHC=2000 PPM HEXANE COLD STAB     9.37  13.4   609.1  5.30   13.5
  ICO[ACT] =  0.9 $CO HOT TRANS     6.29  15.2   590.3  7.59   14.0
  ICO[SPEC] = N/A $CO 75 FTP        9.76  35.7   608.8  6.20   12.8
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

0431 70 FORD MAVE 200 COLD TRANS    3.69  34.3   435.6  4.39   17.7
  IHC=  45 PPM HEXANE COLD STAB     1.65  12.7   429.2  2.84   19.5
  ICO[ACT] =  0.3 $CO HOT TRANS     1.96  13.1   380.7  4.27   21.8
  ICO[SPEC] = N/A $CO 75 FTP        2.16  17.2   417.3  3.55   19.7
  OTHER TESTS:        S/C SERIES    N.Y. CITY

0432 70 FORD STAW 351 COLD TRANS    4.27  28.1   601.9  6.83   13.5
  IHC= 190 PPM HEXANE COLD STAB     2.89  14.3   580.3  4.09   14.5
  ICO[ACT] =  1.2 $CO HOT TRANS     3.16  10.8   516.9  7.35   16.3
  ICO[SPEC] = N/A $CO 75 FTP        3.25  16.2   567.4  5.54   14.7
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

0433 70 FORD LTD  390 COLD TRANS   11.46 253.1   501.7  0.98    9.5
  IHC= 680 PPM HEXANE COLD STAB     9.67 225.6   478.9  1.01   10.3
  ICO[ACT] = 10.0 $CO HOT TRANS     9.24 128.5   463.0  2.40   12.8
  ICO[SPEC] = N/A $CO 75 FTP        9.92 204.8   479.3  1.38   10.7
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

0434 70 OLDS CUTL 350 COLD TRANS    5.56  92.9   609.8  2.45   11.5
  IHC= 210 PPM HEXANE COLD STAB     4.55 100.3   545.4  1.19   12.4
  ICO[ACT] =  4.2 $CO HOT TRANS     3.58  67.3   472.5  2.01   15.1
  ICO[SPEC] = N/A $CO 75 FTP        4.49  89.8   538.7  1.67   12.8
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                   -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO    CO2   NOxc  ECON
----------------------------------------------------------------------
0435 70 PLYM FRY2 318 COLD TRANS   6.48   99.9  496.6  4.36  13.2
  IHC= 280 PPM HEXANE COLD STAB    5.89  119.6  458.4  2.97  13.3
  ICO[ACT] =  9.4 $CO HOT TRANS    4.70   82.6  434.7  4.04  15.3
  ICO[SPEC] = N/A $CO 75 FTP       5.69  105.5  459.8  3.55  13.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

0436 70 PONT GRNP 400 COLD TRANS   4.37   34.9  641.6  5.63  12.5
  IHC= 350 PPM HEXANE COLD STAB    6.05   87.5  566.7  2.57  12.3
  ICO[ACT] =  7.1 $CO HOT TRANS    4.44   39.3  528.1  5.17  14.7
  ICO[SPEC] = N/A $CO 75 FTP       5.27   63.5  571.6  3.91  12.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

0437 70 VOLK SEDA  97 COLD TRANS   4.03   58.1  281.7  2.80  23.0
  IHC= 165 PPM HEXANE COLD STAB    3.55   53.9  310.4  1.82  21.8
  ICO[ACT] =  7.0 $CO HOT TRANS    2.99   37.6  261.8  2.71  26.9
  ICO[SPEC] = N/A $CO 75 FTP       3.50   50.3  291.2  2.27  23.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

0704 70 MERB 220D 141 COLD TRANS   1.32    3.2  539.0  1.78  18.6
  IHC=  11 PPM HEXANE COLD STAB    0.59    1.6  402.3  1.46  25.0
  ICO[ACT] =  0.0 $CO HOT TRANS    0.82    2.0  424.2  1.47  23.7
  ICO[SPEC] = N/A $CO 75 FTP       0.80    2.0  436.4  1.53  23.0
  OTHER TESTS:        MODAL  HFET  DIESEL

9438 69 AMC  AMER 199 COLD TRANS   4.35   56.2  387.4  4.00  18.1
  IHC= 340 PPM HEXANE COLD STAB    3.26   54.9  341.5  2.76  20.3
  ICO[ACT] =  7.2 $CO HOT TRANS    3.09   47.2  338.3  3.66  21.0
  ICO[SPEC] = N/A $CO 75 FTP       3.44   53.1  350.1  3.26  20.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M

9439 69 BUIC ELEC 430 COLD TRANS   7.57  198.7  557.0  2.40   9.9
  IHC= 210 PPM HEXANE COLD STAB    5.74  186.1  539.2  0.94  10.4
  ICO[ACT] =  6.7 $CO HOT TRANS    4.92  138.3  493.2  2.30  12.2
  ICO[SPEC] = N/A $CO 75 FTP       5.89  175.6  530.3  1.61  10.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M

9440 69 BUIC SKYL 350 COLD TRANS   4.87   67.7  550.2  6.09  13.2
  IHC= 240 PPM HEXANE COLD STAB    3.86   56.7  544.6  3.46  13.7
  ICO[ACT] =  4.0 $CO HOT TRANS    3.07   28.5  493.1  6.32  16.2
  ICO[SPEC] = N/A $CO 75 FTP       3.85   51.3  531.7  4.78  14.2
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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VEH                                                              MPG
                                  -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2   NOxc   ECON
-----------------------------------------------------------------------
9441 69 CADI FLEE 472 COLD TRANS   4.31  130.4   801.1   2.84    8.7
  IHC= 120 PPM HEXANE COLD STAB    2.50  107.5   734.9   1.76    9.7
  ICO[ACT] =  6.5 $CO HOT TRANS    1.92   59.3   698.1   3.12   11.1
  ICO[SPEC] = N/A $CO 75 FTP       2.71   99.1   738.5   2.35    9.8
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9442 69 CHEV NOVA 307 COLD TRANS   5.34   56.9   502.4   4.84   14.6
  IHC= 340 PPM HEXANE COLD STAB    4.14   44.9   472.1   2.90   16.0
  ICO[ACT] =  6.0 $CO HOT TRANS    3.75   32.9   425.7   4.46   18.1
  ICO[SPEC] = N/A $CO 75 FTP       4.28   44.1   465.7   3.73   16.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9443 69 CHEV CAPR 350 COLD TRANS  14.05  129.1   519.7   4.96   11.6
  IHC= 160 PPM HEXANE COLD STAB    2.94   20.6   546.6   4.04   15.1
  ICO[ACT] =  0.4 $CO HOT TRANS    3.11   11.5   491.7   6.37   17.1
  ICO[SPEC] = N/A $CO 75 FTP       5.27   40.4   526.1   4.87   14.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9444 69 CHEV CHEL 307 COLD TRANS   4.51   57.0   496.7   4.65   14.8
  IHC= 240 PPM HEXANE COLD STAB    3.52   62.7   456.6   2.25   15.7
  ICO[ACT] =  3.3 $CO HOT TRANS    3.58   46.3   430.6   4.25   17.2
  ICO[SPEC] = N/A $CO 75 FTP       3.74   57.0   457.8   3.29   15.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9445 69 CHEV IMPA 327 COLD TRANS  17.42  252.5   448.1   1.71    9.9
  IHC= 360 PPM HEXANE COLD STAB    6.49  109.8   472.6   2.03   13.3
  ICO[ACT] =  6.2 $CO HOT TRANS    5.96   86.4   454.3   3.39   14.6
  ICO[SPEC] = N/A $CO 75 FTP       8.59  132.8   462.6   2.34   12.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9446 69 CHEV IMPA 350 COLD TRANS   8.17  135.0   470.8   3.77   12.5
  IHC= 280 PPM HEXANE COLD STAB    4.75   60.4   530.4   3.53   13.9
  ICO[ACT] =  4.3 $CO HOT TRANS    3.93   28.0   470.5   6.16   16.8
  ICO[SPEC] = N/A $CO 75 FTP       5.23   66.9   501.8   4.30   14.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9447 69 CHEV NOVA 230 COLD TRANS   5.63   84.4   387.7   4.06   16.5
  IHC= 320 PPM HEXANE COLD STAB    3.13   37.5   382.3   3.08   19.7
  ICO[ACT] =  6.2 $CO HOT TRANS    2.66   23.6   355.3   5.07   22.1
  ICO[SPEC] = N/A $CO 75 FTP       3.52   43.3   376.0   3.82   19.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                MPG
VEH                                  -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC    CO     CO2   NOxc    ECON
---------------------------------------------------------------------
9448 69 CHEV IMPA 350 COLD TRANS  7.58 127.1  536.7  6.00   11.7
  IHC= 350 PPM HEXANE COLD STAB   6.08 104.8  492.4  3.05   13.1
  ICO[ACT] =  6.9 $CO HOT TRANS   4.71  52.6  489.5  6.44   15.1
  ICO[SPEC] = N/A $CO 75 FTP      6.02  95.1  500.7  4.58   13.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M

9449 69 CHRY NEWP 383 COLD TRANS  9.37 248.8  495.6  1.83    9.7
  IHC= 220 PPM HEXANE COLD STAB   3.22  33.5  552.0  2.84   14.4
  ICO[ACT] =  1.8 $CO HOT TRANS   3.05  26.2  519.1  4.59   15.6
  ICO[SPEC] = N/A $CO 75 FTP      4.44  75.8  531.4  3.11   13.4
  OTHER TESTS:        S/C SERIES

9450 69 DODG CORO 318 COLD TRANS 14.65 151.8  452.1  6.45   12.0
  IHC= 310 PPM HEXANE COLD STAB   5.61 109.3  468.9  4.09   13.5
  ICO[ACT] =  4.7 $CO HOT TRANS   3.78  54.5  447.1  6.59   16.3
  ICO[SPEC] = N/A $CO 75 FTP      6.97 103.1  459.5  5.26   13.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M

9451 69 FORD MUST 200 COLD TRANS  3.71  57.9  365.9  5.29   18.9
  IHC= 180 PPM HEXANE COLD STAB   3.25  48.0  354.5  3.36   20.2
  ICO[ACT] =  6.6 $CO HOT TRANS   3.15  29.7  324.0  5.57   23.3
  ICO[SPEC] = N/A $CO 75 FTP      3.32  45.0  348.5  4.36   20.6
  OTHER TESTS:        S/C SERIES  REVISED 3/M

9452 69 FORD GALA 302 COLD TRANS  7.06  45.4  525.5  9.54   14.3
  IHC= 480 PPM HEXANE COLD STAB   6.99  88.0  447.6  5.60   14.6
  ICO[ACT] =  9.8 $CO HOT TRANS   5.06  38.2  475.7  9.60   16.1
  ICO[SPEC] = N/A $CO 75 FTP      6.48  65.7  471.3  7.50   14.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M

9453 69 FORD TORI 351 COLD TRANS  6.81 124.3  524.8  1.45   12.0
  IHC= 380 PPM HEXANE COLD STAB   3.87  20.3  530.2  1.96   15.5
  ICO[ACT] =  1.5 $CO HOT TRANS   3.17  12.4  502.5  3.03   16.7
  ICO[SPEC] = N/A $CO 75 FTP      4.28  39.6  521.5  2.15   14.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M

9454 69 FORD XL   390 COLD TRANS  7.03  55.6  612.2  5.52   12.3
  IHC= 240 PPM HEXANE COLD STAB   4.77  67.3  550.0  3.48   13.2
  ICO[ACT] =  5.2 $CO HOT TRANS   5.04  45.2  540.7  5.03   14.1
  ICO[SPEC] = N/A $CO 75 FTP      5.31  58.9  560.2  4.32   13.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH NO.	YR	MAKE	MODL	CID	TEST	TYPE	-----GRAMS PER MILE-----				MPG FUEL ECON
							HC	CO	CO_2	NOx_c	
9455	69	FORD	STAW	302	COLD	TRANS	6.70	55.8	456.1	4.51	15.7
IHC= 220 PPM HEXANE					COLD	STAB	4.46	29.4	462.2	2.85	17.0
ICO[ACT] = 2.6 %CO					HOT	TRANS	5.05	23.1	391.2	4.80	20.0
ICO[SPEC] = N/A %CO					75	FTP	5.08	33.1	441.6	3.73	17.4
OTHER TESTS:					S/C	SERIES	REVISED 3/M				
9456	69	FORD	STAW	429	COLD	TRANS	12.49	280.3	551.9	1.55	8.6
IHC= 400 PPM HEXANE					COLD	STAB	11.78	295.9	525.8	0.62	8.6
ICO[ACT] = 9.2 %CO					HOT	TRANS	8.34	142.0	536.2	3.44	11.3
ICO[SPEC] = N/A %CO					75	FTP	10.99	250.7	534.0	1.58	9.2
OTHER TESTS:					S/C	SERIES	REVISED 3/M				
9457	69	MERC	STAW	390	COLD	TRANS	6.77	200.1	505.9	1.11	10.5
IHC= 320 PPM HEXANE					COLD	STAB	3.94	53.6	538.1	2.24	14.0
ICO[ACT] = 5.2 %CO					HOT	TRANS	3.56	36.9	503.7	3.66	15.5
ICO[SPEC] = N/A %CO					75	FTP	4.42	79.2	522.1	2.39	13.4
OTHER TESTS:					S/C	SERIES	REVISED 3/M				
9458	69	OLDS	NNTY	455	COLD	TRANS	3.99	84.5	599.5	3.04	11.9
IHC= 120 PPM HEXANE					COLD	STAB	3.68	81.1	579.3	2.31	12.4
ICO[ACT] = 3.6 %CO					HOT	TRANS	3.12	54.8	510.2	3.29	14.6
ICO[SPEC] = N/A %CO					75	FTP	3.59	74.6	564.6	2.73	12.8
OTHER TESTS:					S/C	SERIES	REVISED 3/M				
9459	69	OLDS	CUTL	350	COLD	TRANS	9.02	71.2	547.5	3.88	12.9
IHC= 760 PPM HEXANE					COLD	STAB	10.92	40.6	510.7	2.41	14.6
ICO[ACT] = 1.3 %CO					HOT	TRANS	7.93	37.8	473.1	3.67	15.9
ICO[SPEC] = N/A %CO					75	FTP	9.72	46.1	508.0	3.06	14.5
OTHER TESTS:					S/C	SERIES	REVISED 3/M				
9460	69	PLYM	SATE	318	COLD	TRANS	10.95	129.3	511.2	5.79	11.8
IHC= 320 PPM HEXANE					COLD	STAB	4.99	68.2	487.6	4.54	14.5
ICO[ACT] = 6.0 %CO					HOT	TRANS	3.64	36.4	475.4	6.61	16.3
ICO[SPEC] = N/A %CO					75	FTP	5.85	72.1	489.1	5.36	14.3
OTHER TESTS:					S/C	SERIES	REVISED 3/M				
9461	69	PLYM	VALI	225	COLD	TRANS	3.08	50.4	371.8	3.26	19.3
IHC= 190 PPM HEXANE					COLD	STAB	2.22	22.8	361.7	2.76	21.9
ICO[ACT] = 2.4 %CO					HOT	TRANS	2.14	22.5	342.4	3.79	23.1
ICO[SPEC] = N/A %CO					75	FTP	2.38	28.4	358.5	3.14	21.6
OTHER TESTS:					S/C	SERIES	REVISED 3/M				

APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                 MPG
VEH                                    -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO    CO2   NOxc   ECON
---------------------------------------------------------------------
9462 69 PONT STAW 350 COLD TRANS   5.20   88.3  561.7  6.00   12.4
  IHC= 300 PPM HEXANE COLD STAB    4.49   89.7  508.3  3.99   13.4
  ICO[ACT] =  7.4 %CO HOT TRANS    3.64   50.5  481.1  6.39   15.5
  ICO[SPEC] = N/A %CO 75 FTP       4.40   78.7  511.9  5.06   13.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9463 69 PONT BONN 400 COLD TRANS   7.58  157.9  568.2  2.32   10.6
  IHC= 250 PPM HEXANE COLD STAB    9.56  235.7  490.4  0.75   10.0
  ICO[ACT] =  5.2 %CO HOT TRANS    6.21  125.9  495.3  2.53   12.5
  ICO[SPEC] = N/A %CO 75 FTP       8.24  189.7  507.7  1.56   10.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9464 69 PONT CATA 400 COLD TRANS   9.87  164.3  506.4  3.75   11.1
  IHC= 440 PPM HEXANE COLD STAB    6.81  142.0  455.6  2.46   12.7
  ICO[ACT] = 10.0 %CO HOT TRANS    5.37   74.0  458.6  4.49   15.0
  ICO[SPEC] = N/A %CO 75 FTP       7.04  128.1  466.9  3.28   12.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9465 69 TOYO CORO 116 COLD TRANS   4.72   48.7  356.4  4.45   19.8
  IHC= 320 PPM HEXANE COLD STAB    3.25  103.9  287.5  1.25   19.2
  ICO[ACT] =  5.2 %CO HOT TRANS    4.03   64.5  300.1  2.78   21.4
  ICO[SPEC] = N/A %CO 75 FTP       3.77   81.8  305.1  2.33   19.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9466 69 VOLK SEDA  91 COLD TRANS   4.77   68.2  312.5  2.56   20.4
  IHC= 175 PPM HEXANE COLD STAB    2.97   33.6  323.8  1.47   23.0
  ICO[ACT] =  2.1 %CO HOT TRANS    3.24   56.3  274.9  2.00   23.8
  ICO[SPEC] = N/A %CO 75 FTP       3.42   46.9  308.1  1.84   22.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9467 69 VOLK SEDA  91 COLD TRANS   4.90   58.6  263.8  2.47   23.9
  IHC= 220 PPM HEXANE COLD STAB    4.40   46.0  283.9  1.54   24.0
  ICO[ACT] =  8.0 %CO HOT TRANS    3.68   46.7  242.2  2.11   27.1
  ICO[SPEC] = N/A %CO 75 FTP       4.30   48.8  268.4  1.89   24.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M

9705 69 MERB 220D 134 COLD TRANS   1.11    3.2  466.7  1.39   21.4
  IHC=  20 PPM HEXANE COLD STAB    0.90    2.5  405.3  1.35   24.7
  ICO[ACT] =  0.0 %CO HOT TRANS    0.83    2.9  411.2  1.41   24.3
  ICO[SPEC] = N/A %CO 75 FTP       0.93    2.8  419.5  1.37   23.8
  OTHER TESTS:        MODAL  HFET  DIESEL
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APPENDIX E.CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                    MPG
VEH                                   -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE   HC     CO      CO2    NOxc    ECON
-----------------------------------------------------------------------
9719 69 MERB 220D 141 COLD TRANS  3.53   16.0   501.2   1.74    18.9
  IHC=  13 PPM HEXANE COLD STAB   0.77    3.2   387.0   1.55    25.8
  ICO[ACT] =  0.0 %CO HOT TRANS   1.23    7.3   408.5   1.62    24.0
  ICO[SPEC] = N/A %CO 75 FTP      1.46    7.0   416.4   1.61    23.6
  OTHER TESTS:        MODAL  HFET DIESEL

8468 68 AMC  REBE 343 COLD TRANS  4.65   59.1   554.8   2.98    13.4
  IHC= 260 PPM HEXANE COLD STAB   3.19   31.7   538.0   1.81    14.8
  ICO[ACT] =  2.8 %CO HOT TRANS   3.19   22.1   477.4   3.54    17.0
  ICO[SPEC] = N/A %CO 75 FTP      3.49   34.7   524.9   2.52    15.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8469 65 AMC  CLAS 232 COLD TRANS  6.40  103.1   365.2   2.60    16.2
  IHC= 400 PPM HEXANE COLD STAB   5.22  125.5   319.6   0.99    16.6
  ICO[ACT] =  9.4 %CO HOT TRANS   4.27   98.5   312.9   2.12    18.4
  ICO[SPEC] = N/A %CO 75 FTP      5.20  113.5   327.2   1.63    17.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8470 66 AMC  ROGU 290 COLD TRANS 13.42  163.9   403.0   1.50    12.6
  IHC= 520 PPM HEXANE COLD STAB  13.19  168.6   405.7   0.98    12.5
  ICO[ACT] = 10.0 %CO HOT TRANS   8.36   99.4   389.8   2.83    15.5
  ICO[SPEC] = N/A %CO 75 FTP     11.92  148.8   400.8   1.59    13.2
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8471 67 BUIC LESA 340 COLD TRANS 10.69  201.9   438.6   0.78    11.2
  IHC= 730 PPM HEXANE COLD STAB   9.88  186.0   383.2   0.36    12.6
  ICO[ACT] =  8.4 %CO HOT TRANS   8.10  185.5   362.4   0.53    13.1
  ICO[SPEC] = N/A %CO 75 FTP      9.56  189.1   388.9   0.49    12.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8472 68 BUIC ELEC 430 COLD TRANS  8.40  156.9   591.5   5.37    10.3
  IHC= 220 PPM HEXANE COLD STAB   5.70  135.7   606.5   3.35    10.6
  ICO[ACT] =  8.0 %CO HOT TRANS   4.65   81.9   546.0   6.37    12.9
  ICO[SPEC] = N/A %CO 75 FTP      5.97  125.4   586.9   4.59    11.1
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8473 68 BUIC SKYL 350 COLD TRANS  4.06   83.1   616.3   4.18    11.7
  IHC= 230 PPM HEXANE COLD STAB   2.63   29.3   580.1   2.16    14.0
  ICO[ACT] =  1.9 %CO HOT TRANS   2.17   14.0   547.9   4.23    15.4
  ICO[SPEC] = N/A %CO 75 FTP      2.80   36.2   578.8   3.14    13.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                 MPG
VEH                                   -----GRAMS PER MILE-----   FUEL
NO.  YR MAKE MODL CID TEST   TYPE    HC     CO     CO2    NOxc   ECON
---------------------------------------------------------------------
8474 66 CADI DEVI 429 COLD TRANS   4.49   83.3   656.2   4.38   11.1
 IHC= 155 PPM HEXANE  COLD STAB    3.78   70.7   633.0   3.05   11.7
 ICO[ACT] =  2.6 $CO  HOT TRANS    3.25   68.0   566.5   3.83   13.0
 ICO[SPEC] = N/A $CO  75 FTP       3.78   72.6   619.6   3.54   11.9
 OTHER TESTS:         S/C SERIES   REVISED 3/M   N.Y. CITY

8475 67 CHEV NOVA 250 COLD TRANS   8.09  129.6   346.7   1.52   15.4
 IHC= 540 PPM HEXANE  COLD STAB    5.27   94.1   329.0   0.56   18.0
 ICO[ACT] =  4.3 $CO  HOT TRANS    6.12   97.2   319.5   1.17   18.1
 ICO[SPEC] = N/A $CO  75 FTP       6.08  102.2   330.1   0.92   17.4
 OTHER TESTS:         S/C SERIES   REVISED 3/M   N.Y. CITY

8476 67 CHEV STAW 283 COLD TRANS  10.58  149.9   505.3   3.40   11.5
 IHC= 565 PPM HEXANE  COLD STAB    7.46  106.8   479.2   1.99   13.2
 ICO[ACT] =  2.2 $CO  HOT TRANS    6.84   90.2   459.7   3.63   14.2
 ICO[SPEC] = N/A $CO  75 FTP       7.94  111.1   479.3   2.73   13.1
 OTHER TESTS:         S/C SERIES   REVISED 3/M   N.Y. CITY

8477 67 CHEV IMPA 283 COLD TRANS  10.87   94.1   445.0   6.29   14.1
 IHC=1110 PPM HEXANE  COLD STAB   14.41  109.7   383.0   3.92   14.8
 ICO[ACT] =  9.9 $CO  HOT TRANS    8.85   54.7   399.1   6.82   17.3
 ICO[SPEC] = N/A $CO  75 FTP      12.16   91.5   400.2   5.20   15.2
 OTHER TESTS:         S/C SERIES   REVISED 3/M   N.Y. CITY

8478 68 CHEV IMPA 307 COLD TRANS   7.35  114.3   524.4   3.69   12.2
 IHC= 400 PPM HEXANE  COLD STAB    4.58   44.4   496.1   2.58   15.3
 ICO[ACT] =  2.6 $CO  HOT TRANS    3.99   37.3   465.6   4.45   16.5
 ICO[SPEC] = N/A $CO  75 FTP       4.99   56.8   493.6   3.32   14.8
 OTHER TESTS:         S/C SERIES   REVISED 3/M   N.Y. CITY

8479 68 CHEV IMPA 327 COLD TRANS   8.12  181.1   575.0   2.06   10.0
 IHC= 285 PPM HEXANE  COLD STAB    5.53  161.8   551.6   1.23   10.8
 ICO[ACT] =  7.4 $CO  HOT TRANS    4.71  115.4   498.0   1.94   12.8
 ICO[SPEC] = N/A $CO  75 FTP       5.84  153.1   541.8   1.60   11.1
 OTHER TESTS:         S/C SERIES   REVISED 3/M   N.Y. CITY

8480 67 CHEV STAW 396 COLD TRANS   8.28  112.8   595.3   4.44   11.1
 IHC= 360 PPM HEXANE  COLD STAB    6.56  139.3   507.8   1.28   11.9
 ICO[ACT] =  4.1 $CO  HOT TRANS    5.73   87.2   518.0   3.60   13.2
 ICO[SPEC] = N/A $CO  75 FTP       6.69  119.6   528.6   2.56   12.0
 OTHER TESTS:         S/C SERIES   REVISED 3/M   N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                     MPG
VEH                                   -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC      CO      CO2    NOXc   ECON
--------------------------------------------------------------------------
8481 67 CHEV NOVA 283 COLD TRANS   11.78   131.3   398.3   2.41   13.8
  IHC= 810 PPM HEXANE COLD STAB     8.84    93.5   353.4   1.25   16.8
  ICO[ACT] =  7.0 %CO HOT TRANS     6.33    64.3   361.1   2.77   18.4
  ICO[SPEC] = N/A %CO 75 FTP        8.76    93.3   364.7   1.90   16.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y. CITY

8482 66 CHEV MALI 283 COLD TRANS    5.20    83.4   534.0   1.79   13.0
  IHC= 245 PPM HEXANE COLD STAB     3.65    43.4   492.8   1.35   15.5
  ICO[ACT] =  2.7 %CO HOT TRANS     3.11    40.3   470.2   1.91   16.3
  ICO[SPEC] = N/A %CO 75 FTP        3.82    50.8   495.1   1.59   15.1
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y. CITY

8483 68 CHEV MALI 307 COLD TRANS    7.16   104.1   551.8   2.20   12.0
  IHC= 420 PPM HEXANE COLD STAB     4.59    42.5   555.8   1.51   13.9
  ICO[ACT] =  4.4 %CO HOT TRANS     6.94    66.6   476.0   1.94   14.7
  ICO[SPEC] = N/A %CO 75 FTP        5.76    61.7   533.2   1.77   13.7
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y. CITY

8484 68 CHEV CHEL 307 COLD TRANS    4.10    41.0   490.0   6.11   15.6
  IHC= 100 PPM HEXANE COLD STAB     2.88    32.6   477.1   3.32   16.5
  ICO[ACT] =  0.7 %CO HOT TRANS     2.93    31.0   420.6   5.49   18.5
  ICO[SPEC] = N/A %CO 75 FTP        3.14    33.9   464.3   4.49   16.8
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y. CITY

8485 68 CHEV CAPR 327 COLD TRANS    6.13   100.7   555.9   3.23   12.1
  IHC= 350 PPM HEXANE COLD STAB     5.37   107.9   500.5   1.46   12.9
  ICO[ACT] =  7.5 %CO HOT TRANS     4.60    68.0   484.4   2.98   14.7
  ICO[SPEC] = N/A %CO 75 FTP        5.31    95.5   507.5   2.24   13.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y. CITY

8486 68 CHEV STAW 396 COLD TRANS   10.33   177.1   508.8   2.26   10.8
  IHC=1050 PPM HEXANE COLD STAB    11.66   203.8   483.8   1.16   10.6
  ICO[ACT] =  9.0 %CO HOT TRANS     9.89   157.7   436.2   1.93   12.4
  ICO[SPEC] = N/A %CO 75 FTP       10.90   185.7   476.0   1.60   11.1
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y. CITY

8487 68 CHRY NEWP 383 COLD TRANS    8.26   144.6   595.4   2.75   10.5
  IHC= 170 PPM HEXANE COLD STAB     5.35   130.3   571.1   1.39   11.2
  ICO[ACT] =  4.6 %CO HOT TRANS     4.19    63.7   551.5   3.30   13.3
  ICO[SPEC] = N/A %CO 75 FTP        5.64   115.0   570.8   2.19   11.5
  OTHER TESTS:        S/C SERIES   REVISED 3/M   N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                MPG
VEH                                  -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC    CO     CO2   NOxc   ECON
--------------------------------------------------------------------
8488 68 DODG DART 225 COLD TRANS   9.97 145.9  336.4  1.38   14.9
  IHC= 260 PPM HEXANE COLD STAB    3.94  74.1  378.2  1.18   17.5
  ICO[ACT] =   4.4 %CO HOT TRANS   3.63  75.1  316.9  1.33   19.9
  ICO[SPEC] = N/A %CO 75 FTP       5.10  89.1  352.9  1.26   17.4
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

8489 67 DODG CORO 318 COLD TRANS   5.97 113.5  404.3  3.25   14.8
  IHC= 400 PPM HEXANE COLD STAB    4.48  48.1  421.4  4.36   17.4
  ICO[ACT] =   5.0 %CO HOT TRANS   3.62  44.9  380.7  5.26   19.2
  ICO[SPEC] = N/A %CO 75 FTP       4.55  60.7  406.8  4.37   17.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

8490 68 DODG POLA 383 COLD TRANS   6.78 150.7  496.7  2.17   11.8
  IHC= 380 PPM HEXANE COLD STAB    5.91  98.2  480.7  2.50   13.6
  ICO[ACT] =   7.8 %CO HOT TRANS   4.69  69.5  451.3  3.43   15.4
  ICO[SPEC] = N/A %CO 75 FTP       5.76 101.2  475.9  2.68   13.6
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

8491 67 FORD FALC 200 COLD TRANS   4.29  54.2  366.7  4.41   19.1
  IHC= 195 PPM HEXANE COLD STAB    3.63  60.6  383.0  2.58   18.1
  ICO[ACT] =   7.0 %CO HOT TRANS   3.76  35.9  335.3  4.14   22.0
  ICO[SPEC] = N/A %CO 75 FTP       3.80  52.6  366.6  3.38   19.2
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

8492 68 FORD MUST 289 COLD TRANS   4.53  66.4  483.8  3.00   14.7
  IHC= 285 PPM HEXANE COLD STAB    4.25  83.3  489.0  1.41   14.0
  ICO[ACT] =   4.8 %CO HOT TRANS   3.85  46.1  432.5  2.88   17.2
  ICO[SPEC] = N/A %CO 75 FTP       4.20  69.7  472.5  2.14   14.9
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

8493 68 FORD FAIR 289 COLD TRANS   6.70 102.5  515.2  3.26   12.7
  IHC=1850 PPM HEXANE COLD STAB    4.39  73.3  492.4  2.26   14.3
  ICO[ACT] =   1.8 %CO HOT TRANS   3.86  51.9  469.9  3.82   15.7
  ICO[SPEC] = N/A %CO 75 FTP       4.72  73.5  491.0  2.89   14.3
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY

8494 68 FORD CUST 302 COLD TRANS   5.82  87.8  425.9  1.58   15.2
  IHC= 300 PPM HEXANE COLD STAB    6.32 161.0  419.5  0.45   12.8
  ICO[ACT] =   9.8 %CO HOT TRANS   4.47  87.8  388.9  1.58   16.4
  ICO[SPEC] = N/A %CO 75 FTP       5.71 126.0  412.5  0.99   14.1
  OTHER TESTS:        S/C SERIES   REVISED 3/M  N.Y. CITY
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APPENDIX E, CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                              MPG
VEH                                  -----GRAMS PER MILE-----  FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC    CO     CO2   NOXc   ECON
------------------------------------------------------------------
8495 68 FORD TORI 302 COLD TRANS  5.65  35.4  486.7  4.90   15.8
  IHC=2000 PPM HEXANE COLD STAB  10.14  30.3  431.6  2.77   17.4
  ICO[ACT] =  3.2 $CO HOT TRANS   6.10  19.9  418.7  5.03   18.9
  ICO[SPEC] = N/A $CO 75 FTP      8.12  28.5  439.4  3.82   17.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8496 66 FORD STAW 390 COLD TRANS  7.07 121.7  728.3  2.99    9.4
  IHC= 300 PPM HEXANE COLD STAB   6.89 177.0  604.1  1.55    9.8
  ICO[ACT] =  8.8 $CO HOT TRANS   6.41 141.3  570.8  2.31   10.9
  ICO[SPEC] = N/A $CO 75 FTP      6.80 155.9  620.6  2.06   10.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8497 66 FORD FALC 200 COLD TRANS  4.54  63.5  377.3  3.40   18.1
  IHC= 240 PPM HEXANE COLD STAB   3.84  46.8  332.8  2.14   21.2
  ICO[ACT] =  4.0 $CO HOT TRANS   2.81  24.9  327.9  3.42   23.6
  ICO[SPEC] = N/A $CO 75 FTP      3.70  44.3  340.6  2.75   21.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8498 68 FORD MUST 289 COLD TRANS  6.20  88.3  454.9  4.03   14.5
  IHC= 160 PPM HEXANE COLD STAB   3.95  34.1  485.5  2.45   16.1
  ICO[ACT] =  2.4 $CO HOT TRANS   4.06  23.5  432.6  4.66   18.4
  ICO[SPEC] = N/A $CO 75 FTP      4.44  42.3  464.8  3.38   16.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8499 68 FORD RANC 289 COLD TRANS  5.53  73.4  452.9  2.64   15.2
  IHC= 320 PPM HEXANE COLD STAB   5.03  98.3  427.8  1.23   14.8
  ICO[ACT] =  6.9 $CO HOT TRANS   4.15  64.6  397.2  2.39   17.3
  ICO[SPEC] = N/A $CO 75 FTP      4.89  84.0  424.6  1.83   15.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8500 67 FORD STAW 390 COLD TRANS 25.41 416.4  567.6  0.32    6.8
  IHC=  80 PPM HEXANE COLD STAB   5.02 126.7  633.5  0.80   10.5
  ICO[ACT] =  1.2 $CO HOT TRANS   4.47  75.6  597.3  2.16   12.2
  ICO[SPEC] = N/A $CO 75 FTP      9.07 172.4  610.0  1.07    9.8
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY

8501 68 FORD THND 429 COLD TRANS  6.64  66.5  713.5  4.89   10.6
  IHC= 255 PPM HEXANE COLD STAB   5.10  53.0  659.5  3.06   11.7
  ICO[ACT] =  1.5 $CO HOT TRANS   4.14  30.5  596.1  5.62   13.5
  ICO[SPEC] = N/A $CO 75 FTP      5.16  49.7  653.3  4.14   11.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M  N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                        MPG
VEH                                     -----GRAMS PER MILE-----       FUEL
NO.  YR MAKE MODL CID TEST  TYPE       HC     CO     CO2    NOxc       ECON
---------------------------------------------------------------------------
8502 65 LINC CONT 462 COLD TRANS    14.12  233.1  609.8   3.39    8.7
  IHC= 840 PPM HEXANE COLD STAB     18.47  299.6  522.9   1.09    8.4
  ICO[ACT] = 10.0 %CO HOT TRANS     13.59  248.2  505.5   1.85    9.5
  ICO[SPEC] = N/A %CO 75 FTP        16.24  271.9  536.0   1.77    8.7
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

8503 67 MERC COUG 289 COLD TRANS     7.97   81.8  410.3   1.79   15.7
  IHC= 500 PPM HEXANE COLD STAB      9.40   88.1  422.3   1.14   15.0
  ICO[ACT] =  8.2 %CO HOT TRANS      7.56   70.9  347.4   1.56   18.4
  ICO[SPEC] = N/A %CO 75 FTP         8.60   82.1  399.4   1.39   16.0
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

8504 67 OLDS CUTL 330 COLD TRANS     5.86   74.4  590.7   3.76   12.2
  IHC= 195 PPM HEXANE COLD STAB      4.22   41.4  598.0   2.10   13.1
  ICO[ACT] =  0.9 %CO HOT TRANS      4.24   40.5  524.3   3.94   14.8
  ICO[SPEC] = N/A %CO 75 FTP         4.56   48.0  576.4   2.95   13.3
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

8505 65 OLDS NNTY 425 COLD TRANS     7.27  136.1  666.2   2.07    9.8
  IHC= 352 PPM HEXANE COLD STAB      6.23  148.6  593.9   1.13   10.5
  ICO[ACT] =  8.5 %CO HOT TRANS      5.40  120.2  566.9   1.67   11.5
  ICO[SPEC] = N/A %CO 75 FTP         6.22  138.3  601.4   1.47   10.6
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

8506 68 OLDS CUTL 350 COLD TRANS     9.91  108.2  579.1   3.25   11.4
  IHC= 840 PPM HEXANE COLD STAB     11.36  109.3  562.2   1.67   11.5
  ICO[ACT] =  5.3 %CO HOT TRANS      7.79   84.3  495.8   2.65   13.6
  ICO[SPEC] = N/A %CO 75 FTP        10.09  102.3  547.5   2.26   12.0
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

8507 68 PLYM SATE 318 COLD TRANS     3.75   62.3  571.1   4.14   13.0
  IHC= 340 PPM HEXANE COLD STAB      2.89   39.7  534.4   2.64   14.6
  ICO[ACT] =  4.8 %CO HOT TRANS      2.74   22.3  501.4   4.92   16.3
  ICO[SPEC] = N/A %CO 75 FTP         3.03   39.6  533.0   3.57   14.7
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY

8508 68 PLYM FRY3 318 COLD TRANS     8.99  146.1  432.7   2.13   12.8
  IHC= 360 PPM HEXANE COLD STAB      4.91   66.8  453.1   3.49   15.5
  ICO[ACT] =  3.6 %CO HOT TRANS      4.10   46.5  427.0   4.83   17.3
  ICO[SPEC] = N/A %CO 75 FTP         5.53   77.6  441.8   3.58   15.3
  OTHER TESTS:        S/C SERIES    REVISED 3/M   N.Y. CITY
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                    MPG
VEH                                  -----GRAMS PER MILE-----      FUEL
NO.  YR MAKE MODL CID TEST  TYPE     HC     CO    CO2    NOxc      ECON
-----------------------------------------------------------------------
8509 68 PLYM FRY3 383 COLD TRANS  12.68  175.2  562.0   3.67      10.1
  IHC= 220 PPM HEXANE COLD STAB    4.88  104.2  529.7   2.27      12.5
  ICO[ACT] =  6.2 %CO HOT TRANS    3.69   58.4  539.9   4.74      13.8
  ICO[SPEC] = N/A %CO 75 FTP       6.16  106.3  539.1   3.23      12.2
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

8510 66 PLYM SPOR 383 COLD TRANS  10.38  222.4  598.1   1.24       9.1
  IHC= 490 PPM HEXANE COLD STAB    8.42  146.5  588.2   1.25      10.5
  ICO[ACT] =  7.4 %CO HOT TRANS    6.58  110.9  580.0   1.96      11.4
  ICO[SPEC] = N/A %CO 75 FTP       8.32  152.4  588.0   1.44      10.4
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

8511 67 PONT LEMA 326 COLD TRANS   9.73  113.6  572.8   3.53      11.3
  IHC= 370 PPM HEXANE COLD STAB    5.74   80.5  555.2   3.56      12.7
  ICO[ACT] =  2.6 %CO HOT TRANS    4.16   40.3  488.9   5.27      15.7
  ICO[SPEC] = N/A %CO 75 FTP       6.13   76.3  540.7   4.02      13.0
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

8512 68 PONT STAW 400 COLD TRANS   6.41  141.6  640.0   2.90      10.1
  IHC= 650 PPM HEXANE COLD STAB    4.47  106.1  590.9   0.98      11.5
  ICO[ACT] =  0.1 %CO HOT TRANS    4.23   76.1  551.9   2.73      13.0
  ICO[SPEC] = N/A %CO 75 FTP       4.80  105.2  590.4   1.85      11.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

8513 68 PONT STAW 350 COLD TRANS   5.58   79.2  656.2   5.70      11.1
  IHC= 183 PPM HEXANE COLD STAB    4.80   61.5  600.2   4.63      12.5
  ICO[ACT] =  4.2 %CO HOT TRANS    4.38   44.3  559.7   6.65      13.8
  ICO[SPEC] = N/A %CO 75 FTP       4.85   60.4  600.7   5.40      12.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

8514 68 PONT CATA 400 COLD TRANS   5.06  150.7  599.2   1.94      10.4
  IHC= 280 PPM HEXANE COLD STAB    3.14   20.8  732.3   2.16      11.5
  ICO[ACT] =  0.1 %CO HOT TRANS    2.82   68.4  560.6   2.32      13.1
  ICO[SPEC] = N/A %CO 75 FTP       3.45   60.5  658.0   2.16      11.6
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

8515 68 PONT CATA 400 COLD TRANS   4.21   66.4  630.8   5.31      11.9
  IHC= 230 PPM HEXANE COLD STAB    3.68   51.4  562.9   3.02      13.5
  ICO[ACT] =  2.5 %CO HOT TRANS    3.41   40.0  511.4   5.14      15.2
  ICO[SPEC] = N/A %CO 75 FTP       3.72   51.4  562.8   4.07      13.5
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY
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LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                  -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST  TYPE    HC      CO     CO2    NOxc   ECON
-----------------------------------------------------------------------
8516 68 VOLK SEDA  91 COLD TRANS  7.23   82.1   211.9   1.62   24.4
  IHC=2000 PPM HEXANE COLD STAB   9.84  112.4   205.9   0.61   21.5
  ICO[ACT] = 10.0 %CO HOT TRANS   8.12   89.5   188.0   1.08   25.0
  ICO[SPEC] = N/A %CO 75 FTP      8.83   99.9   202.3   0.95   22.9
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

8517 66 VOLK SEDA  97 COLD TRANS  3.40   57.2   289.7   2.55   22.7
  IHC=1600 PPM HEXANE COLD STAB   4.14   45.8   285.1   1.83   24.0
  ICO[ACT] =  0.8 %CO HOT TRANS   2.93   40.8   261.3   2.54   26.5
  ICO[SPEC] = N/A %CO 75 FTP      3.66   46.8   279.5   2.17   24.3
  OTHER TESTS:        S/C SERIES  REVISED 3/M   N.Y. CITY

8701 68 MERB 220D 134 COLD TRANS  0.45    1.4   397.3   1.44   25.4
  IHC=  12 PPM HEXANE COLD STAB   0.34    1.5   357.8   1.41   28.2
  ICO[ACT] =  0.0 %CO HOT TRANS   0.27    1.3   339.2   1.35   29.8
  ICO[SPEC] = N/A %CO 75 FTP      0.34    1.4   360.9   1.40   27.9
  OTHER TESTS:        MODAL  HFET  DIESEL

8702 65 MERB 190D 121 COLD TRANS  2.56    8.5   464.9   1.39   20.9
  IHC=  24 PPM HEXANE COLD STAB   1.98    4.8   399.8   1.40   24.6
  ICO[ACT] =  0.1 %CO HOT TRANS   2.12    7.7   395.5   1.30   24.6
  ICO[SPEC] = N/A %CO 75 FTP      2.14    6.4   412.0   1.37   23.7
  OTHER TESTS:        MODAL  HFET  DIESEL

8706 67 MERB SEDA 121 COLD TRANS  1.92    3.8   416.9   1.22   23.7
  IHC=  35 PPM HEXANE COLD STAB   1.41    2.7   362.4   1.17   27.4
  ICO[ACT] =  0.1 %CO HOT TRANS   1.13    3.8   358.0   1.16   27.7
  ICO[SPEC] = N/A %CO 75 FTP      1.44    3.2   372.4   1.18   26.6
  OTHER TESTS:        MODAL  HFET  DIESEL

8709 65 MERB 190D 121 COLD TRANS  1.54    3.7   457.0   1.61   21.8
  IHC=  13 PPM HEXANE COLD STAB   1.36    3.4   408.9   1.58   24.3
  ICO[ACT] =  0.0 %CO HOT TRANS   1.28    3.2   392.4   1.51   25.3
  ICO[SPEC] = N/A %CO 75 FTP      1.38    3.4   414.3   1.57   24.0
  OTHER TESTS:        MODAL  HFET  DIESEL

8716 67 MERB 200D 121 COLD TRANS  1.62    7.0   489.6   1.65   20.1
  IHC=  15 PPM HEXANE COLD STAB   1.54    4.2   442.6   1.85   22.4
  ICO[ACT] =  0.0 %CO HOT TRANS   1.81    7.0   424.7   1.59   23.1
  ICO[SPEC] = N/A %CO 75 FTP      1.63    5.5   447.4   1.74   22.1
  OTHER TESTS:        MODAL  HFET  DIESEL
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APPENDIX E,CONT'D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

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                                                                   MPG
VEH                                  -----GRAMS PER MILE-----     FUEL
NO.  YR MAKE MODL CID TEST   TYPE     HC      CO     CO2   NOxc   ECON
----------------------------------------------------------------------
8717 67 MERB 200D 121 COLD TRANS    0.94     4.2   443.4   1.35   22.5
  IHC=  14 PPM HEXANE COLD STAB     0.98     2.5   389.9   1.33   25.6
  ICO[ACT] =  0.1 %CO HOT TRANS     0.81     3.1   378.4   1.24   26.4
  ICO[SPEC] = N/A %CO 75 FTP        0.93     3.0   397.7   1.31   25.1
  OTHER TESTS:        MODAL  HFET  DIESEL

8718 65 MERB 190D 121 COLD TRANS    5.78     6.8   450.8   1.11   21.2
  IHC=  26 PPM HEXANE COLD STAB     5.25     6.0   404.7   1.25   23.6
  ICO[ACT] =  0.1 %CO HOT TRANS     2.72     4.4   375.9   1.11   26.0
  ICO[SPEC] = N/A %CO 75 FTP        4.67     5.7   406.4   1.18   23.7
  OTHER TESTS:        MODAL  HFET  DIESEL
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APPENDIX F - LISTING OF EVAPORATIVE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

Legend

VEH. NO. - Vehicle Number

YR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

CID - Engine Displacement in Cubic Inches

FUEL - Indicates the type of test fuel used

DIURNAL - Evaporative emissions measured during diurnal phase of test in grams

HOT SOAK - Evaporative emissions measured during hot soak portion of test in grams

TOTAL - Sum of emissions measured during diurnal and hot soak test

APPENDIX F

LISTING OF EVAPORATIVE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH.						GRAMS HC		
NO.	YR	MAKE	MODL	CID	FUEL	DIURNAL	HOT SOAK	TOTAL
6018	76	AMC	HORN	258	COMMERCIAL	9.751	11.904	21.655
6018	76	AMC	HORN	258	INDOLENE	26.150	10.660	36.809
6019	76	BUIC	CNTY	350	COMMERCIAL	28.837	6.982	35.819
6019	76	BUIC	CNTY	350	INDOLENE	30.847	5.431	36.278
6022	76	CHEV	STAW	350	COMMERCIAL	22.769	4.723	27.492
6022	76	CHEV	STAW	350	INDOLENE	17.071	7.463	24.534
6022	76	CHEV	STAW	350	COMMERCIAL	19.452	9.494	28.946
6022	76	CHEV	STAW	350	INDOLENE	13.846	7.390	21.236
6024	76	CHEV	STAW	140	COMMERCIAL	12.162	8.702	20.863
6024	76	CHEV	STAW	140	INDOLENE	15.308	13.229	28.537
6026	76	CHEV	MONT	305	COMMERCIAL	40.039	12.936	52.976
6026	76	CHEV	MONT	305	INDOLENE	5.517	5.326	10.843
6029	76	DODG	STAW	318	COMMERCIAL	33.223	7.838	41.061
6029	76	DODG	STAW	318	INDOLENE	19.787	10.995	30.782
6031	76	FORD	PINT	140	COMMERCIAL	10.476	7.988	18.464
6031	76	FORD	PINT	140	INDOLENE	10.093	4.877	14.971
6033	76	FORD	ELIT	351	COMMERCIAL	41.937	17.328	59.265
6033	76	FORD	ELIT	351	INDOLENE	16.757	22.635	39.391
6033	76	FORD	ELIT	351	COMMERCIAL	36.909	17.946	54.855
6033	76	FORD	ELIT	351	INDOLENE	26.947	19.108	46.056
6035	76	FORD	GRAN	302	COMMERCIAL	43.082	15.516	58.598
6035	76	FORD	GRAN	302	INDOLENE	24.420	22.473	46.893
6037	76	MERC	COUG	400	COMMERCIAL	23.739	17.150	40.889
6037	76	MERC	COUG	400	INDOLENE	32.848	6.407	39.255
6038	76	MERC	COME	250	COMMERCIAL	29.881	21.267	51.148
6038	76	MERC	COME	250	INDOLENE	24.313	25.701	50.015
6041	76	OLDS	TORO	455	COMMERCIAL	37.470	15.536	53.006
6041	76	OLDS	TORO	455	INDOLENE	40.672	12.879	53.550

APPENDIX F CONT'D

LISTING OF EVAPORATIVE TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH.						GRAMS HC		
NO.	YR	MAKE	MODL	CID	FUEL	DIURNAL	HOT SOAK	TOTAL
6042	76	PLYM	VOLA	225	COMMERCIAL	32.268	2.522	34.791
6042	76	PLYM	VOLA	225	INDOLENE	11.984	19.356	31.340
6043	76	PLYM	FURY	318	COMMERCIAL	8.023	20.978	29.001
6043	76	PLYM	FURY	318	INDOLENE	32.179	14.159	46.338
6045	76	PONT	STAW	400	COMMERCIAL	17.546	2.015	19.561
6045	76	PONT	STAW	400	INDOLENE	3.247	3.876	7.123
6047	76	DATS	STAW	119	COMMERCIAL	11.632	4.953	16.585
6047	76	DATS	STAW	119	INDOLENE	5.073	9.724	14.797
6048	76	TOYO	STAW	97	COMMERCIAL	6.381	6.397	12.778
6048	76	TOYO	STAW	97	INDOLENE	24.971	15.526	40.497
6049	76	TOYO	CELI	133	COMMERCIAL	8.617	8.039	16.657
6049	76	TOYO	CELI	133	INDOLENE	8.655	4.059	12.714
6050	76	VOLK	DASH	97	COMMERCIAL	7.566	1.403	8.969
6050	76	VOLK	DASH	97	INDOLENE	9.637	3.477	13.114
6051	76	VOLK	RABB	97	COMMERCIAL	9.389	14.944	24.334
6051	76	VOLK	RABB	97	INDOLENE	3.569	11.050	14.620

APPENDIX G - LISTING OF HIGHWAY FUEL ECONOMY AND EMISSION RESULTS ON INDIVIDUAL VEHICLES

Legend

VEHICLE - Vehicle Number

YEAR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

CID - Engine Displacement in Cubic Inches

HC - Hydrocarbon Emissions in grams per mile

CO - Carbon Monoxide Emissions in grams per mile

CO_2 - Carbon Dioxide Emissions in grams per mile

NOx_c - Oxides of Nitrogen Emissions corrected for humidity in grams per mile

MPG - Fuel Economy in miles per gallon, Calculated Using the Carbon Balance Method

APPENDIX G

LISTING OF HIGHWAY FUEL ECONOMY AND EMISSION RESULTS ON INDIVIDUAL VEHICLES

DENVER

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
7001	1976	CHEV	C10	350	1.62	45.2	399.8	1.83	18.6
7002	1976	CHEV	G10	350	0.80	30.7	470.7	2.56	17.0
7003	1976	CHEV	VAN	350	0.54	11.6	433.2	2.20	19.6
7004	1976	CHEV	C10	350	0.28	8.8	463.1	1.42	18.6
7005	1976	DODG	VAN	225	2.07	77.9	289.6	1.30	21.2
7006	1976	DODG	B100	360	2.96	73.1	358.5	1.84	18.4
7007	1976	FORD	F100	300	0.23	2.5	402.3	2.50	21.8
7008	1976	FORD	F100	390	0.27	16.2	521.3	1.46	16.2
7009	1976	FORD	F100	390	0.78	16.8	666.3	5.50	12.8
7010	1976	DATS	PICK	119	1.12	23.0	260.6	2.88	29.6
6018	1976	AMC	HORN	258	1.40	49.8	376.3	0.84	19.3
6019	1976	BUIC	CNTY	350	0.72	22.7	425.9	1.70	19.1
6020	1976	BUIC	LESA	350	1.61	45.2	445.1	2.91	17.0
6021	1976	CADI	DEVI	500	1.01	24.2	525.2	2.11	15.7
6022	1976	CHEV	STAW	350	2.28	60.4	432.9	2.50	16.6
6023	1976	CHEV	CHEL	350	0.80	27.1	423.5	1.62	18.9
6024	1976	CHEV	STAW	140	1.19	52.2	270.5	1.63	24.9
6025	1976	CHEV	MONT	400	0.48	13.9	455.1	3.02	18.5
6026	1976	CHEV	MONT	305	2.32	53.4	383.7	1.71	18.7
6027	1976	CHEV	NOVA	250	0.58	9.6	340.2	3.81	24.8
6028	1976	CHEV	CHET	85	1.60	47.7	211.5	1.34	30.4
6029	1976	DODG	STAW	318	0.44	13.7	495.5	2.26	17.1
6030	1976	DODG	STAW	225	2.53	49.0	374.4	3.09	19.3
6031	1976	FORD	PINT	140	0.14	0.5	276.8	2.70	31.9
6032	1976	FORD	LTD	400	0.32	20.5	517.9	1.00	16.1
6033	1976	FORD	ELIT	351	0.29	2.6	520.8	2.23	16.9
6034	1976	FORD	GRAN	250	0.21	0.6	473.4	1.04	18.7
6035	1976	FORD	GRAN	302	0.44	3.9	436.5	1.86	20.0
6036	1976	FORD	STAW	351	0.29	9.7	497.8	1.52	17.3
6037	1976	MERC	COUG	400	0.25	10.4	519.0	0.96	16.6
6038	1976	MERC	COME	250	0.21	0.5	436.2	0.80	20.3
6039	1976	OLDS	CUTL	350	2.21	30.3	397.3	1.74	19.6

APPENDIX G CONT'D

LISTING OF HIGHWAY FUEL ECONOMY AND EMISSION RESULTS ON INDIVIDUAL VEHICLES

DENVER

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6040	1976	OLDS	STAW	350	1.33	43.4	437.1	1.32	17.4
6041	1976	OLDS	TORO	455	1.66	61.0	508.6	1.47	14.6
6042	1976	PLYM	VOLA	225	2.82	64.5	302.9	1.53	21.5
6043	1976	PLYM	FURY	318	0.82	7.3	389.3	3.01	22.0
6044	1976	PONT	LEMA	350	2.46	48.7	393.1	5.08	18.6
6045	1976	PONT	STAW	400	1.24	28.3	431.6	1.93	18.5
6046	1976	DATS	B210	85	0.98	11.8	208.4	3.95	38.6
6047	1976	DATS	STAW	119	1.50	26.9	264.2	3.66	28.5
6048	1976	TOYO	STAW	97	0.47	17.5	247.5	2.88	32.1
6049	1976	TOYO	CELI	133	0.44	12.9	292.1	4.67	28.3
6050	1976	VOLK	DASH	97	1.42	13.1	228.5	2.99	35.0
6051	1976	VOLK	RABB	97	0.61	29.2	250.2	0.89	29.8

APPENDIX G

LISTING OF HIGHWAY FUEL ECONOMY AND EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
7001	1976	CHEV	C10	350	0.33	3.6	480.2	3.50	18.2
7002	1976	CHEV	VAN	350	0.06	0.1	513.5	3.43	17.3
7003	1976	CHEV	C10	350	0.08	0.6	475.4	3.86	18.6
7004	1976	CHEV	C10	350	0.05	0.5	549.3	4.09	16.1
7005	1976	DODG	VAN	318	0.15	2.1	439.1	2.39	20.0
7006	1976	DODG	VAN	225	1.28	22.7	411.3	2.17	19.7
7007	1976	FORD	F100	302	0.18	0.3	479.6	2.27	18.5
7008	1976	FORD	F100	360	0.58	4.6	518.1	2.59	16.8
7009	1976	FORD	F100	360	0.45	7.9	544.0	2.15	15.9
7010	1976	FORD	COUR	110	0.05	1.1	353.6	1.06	25.0
6018	1976	AMC	HORN	258	0.39	2.2	343.7	4.90	25.5
6019	1976	BUIC	REGA	350	0.05	0.4	426.5	2.80	20.8
6020	1976	BUIC	STAW	455	0.24	13.2	587.3	2.20	14.6
6021	1976	CADI	DEVI	500	0.09	0.0	548.7	2.63	16.2
6022	1976	CHEV	IMPA	350	0.06	0.6	489.8	4.07	18.1
6023	1976	CHEV	MONT	350	0.05	0.9	466.6	1.89	19.0
6024	1976	CHEV	VEGA	140	0.64	18.5	282.8	3.34	28.3
6025	1976	CHEV	STAW	400	0.40	3.6	532.9	5.19	16.4
6026	1976	CHEV	MALI	305	0.18	3.8	444.5	3.72	19.7
6027	1976	CHEV	CAMA	250	0.23	3.2	368.1	1.67	23.7
6028	1976	CHEV	CHET	85	0.38	3.4	214.9	2.30	40.1
6029	1976	DODG	DART	318	0.35	0.7	422.3	2.35	20.9
6030	1976	DODG	DART	225	0.20	2.4	316.3	1.51	27.7
6031	1976	FORD	MUST	140	0.21	0.3	341.0	2.64	25.9
6032	1976	FORD	LTD	400	0.22	1.2	521.2	2.57	16.9
6033	1976	FORD	ELIT	351	0.74	6.0	486.6	2.91	17.8
6034	1976	FORD	MAVE	250	0.19	0.1	403.4	1.98	22.0
6035	1976	FORD	GRAN	302	0.39	1.1	468.2	5.08	18.8
6036	1976	FORD	STAW	351	0.21	0.5	480.2	2.63	18.4
6037	1976	MERC	MARQ	400	0.34	0.9	539.5	2.17	16.4
6038	1976	MERC	MONA	250	0.20	0.1	452.1	1.91	19.6
6039	1976	OLDS	CUTL	260	0.09	1.8	405.7	3.47	21.7

APPENDIX G CONT'D

LISTING OF HIGHWAY FUEL ECONOMY AND EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6040	1976	OLDS	CUTL	350	0.34	4.9	451.1	1.42	19.3
6041	1976	OLDS	NNTY	455	0.19	2.8	550.3	2.08	16.0
6042	1976	PLYM	VALI	225	0.32	2.7	335.1	2.45	26.1
6043	1976	PLYM	FURY	318	1.33	3.8	421.4	5.22	20.6
6044	1976	PONT	GRNP	350	0.10	0.5	459.3	2.89	19.3
6045	1976	PONT	TRAN	400	0.18	2.0	454.1	2.96	19.4
6046	1976	DATS	B210	85	0.82	3.7	218.9	3.81	39.0
6047	1976	DATS	710	119	0.68	10.4	335.4	3.53	25.1
6048	1976	TOYO	CORO	97	0.36	5.0	235.5	2.90	36.3
6049	1976	TOYO	STAW	133	0.62	3.9	299.0	4.82	28.9
6050	1976	VOLK	RABB	97	0.05	0.1	276.1	1.92	32.1
6051	1976	VOLK	RABB	97	0.13	0.6	279.1	1.30	31.6

APPENDIX G

LISTING OF HIGHWAY FUEL ECONOMY AND EMISSION RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
7001	1976	CHEV	C10	350	0.28	1.9	478.9	4.98	18.4
7002	1976	CHEV	C10	350	0.62	12.0	522.8	5.10	16.3
7003	1976	CHEV	C10	250	0.67	6.7	360.4	3.72	23.8
7004	1976	CHEV	C10	350	0.72	5.5	471.0	2.92	18.4
7005	1976	DODG	D100	318	0.14	0.5	468.8	3.67	18.9
7006	1976	DODG	VAN	360	1.90	25.7	453.1	6.76	17.8
7007	1976	FORD	F100	300	0.19	0.4	431.6	2.15	20.5
7008	1976	FORD	F100	300	0.37	1.9	399.0	4.51	22.0
7009	1976	FORD	E100	300	0.23	0.4	450.4	1.52	19.6
7010	1976	CHEV	LUV	110	0.41	5.1	296.0	2.76	29.1
6018	1976	AMC	STAW	258	0.23	5.1	413.1	3.11	21.0
6019	1976	BUIC	REGA	350	0.18	0.5	474.5	2.62	18.7
6020	1976	BUIC	RIVI	455	0.22	0.2	514.3	2.52	17.2
6021	1976	CADI	DEVI	500	1.16	1.6	586.9	2.45	15.0
6022	1976	CHEV	IMPA	350	0.05	0.1	539.4	2.95	16.4
6023	1976	CHEV	IMPA	350	0.04	0.5	532.0	3.32	16.7
6024	1976	CHEV	MONZ	140	0.18	4.7	355.6	1.88	24.4
6025	1976	CHEV	IMPA	400	0.44	3.2	504.1	6.63	17.4
6026	1976	CHEV	MONT	305	0.13	3.7	436.2	2.36	20.1
6027	1976	CHEV	NOVA	250	0.11	0.5	382.6	3.07	23.1
6028	1976	CHEV	CHET	85	0.28	2.4	230.0	3.82	37.8
6029	1976	DODG	STAW	318	0.61	0.8	458.9	2.87	19.2
6030	1976	DODG	ASPE	225	0.30	1.2	373.0	2.99	23.6
6031	1976	FORD	PINT	140	0.15	0.1	319.9	1.56	27.7
6032	1976	FORD	LTD	400	0.30	0.5	537.8	1.96	16.5
6033	1976	FORD	ELIT	351	0.70	4.5	507.8	3.30	17.2
6034	1976	FORD	GRAN	250	0.18	0.1	443.4	3.15	20.0
6035	1976	FORD	GRAN	302	0.41	0.3	455.2	2.22	19.4
6036	1976	FORD	GRAN	351	2.27	0.4	483.7	4.71	18.1
6037	1976	MERC	MARQ	400	0.22	0.3	528.2	2.04	16.8
6038	1976	MERC	MONA	250	0.65	1.1	455.2	2.57	19.3
6039	1976	OLDS	OMEG	260	0.35	2.6	407.8	3.30	21.5

APPENDIX G CONT'D

LISTING OF HIGHWAY FUEL ECONOMY AND EMISSION RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

VEHICLE	YEAR	MAKE	MODL	CID	--- GRAMS HC	PER CO	MILE CO_2	--- NOx_c	FUEL MPG
6040	1976	OLDS	CUTL	350	0.24	2.8	511.3	1.17	17.2
6041	1976	OLDS	NNTY	455	0.47	3.6	499.7	2.41	17.5
6042	1976	PLYM	STAW	225	0.88	15.9	427.6	1.95	19.5
6043	1976	PLYM	STAW	318	1.15	5.4	457.1	1.82	18.9
6044	1976	PONT	LEMA	350	0.07	0.2	484.5	3.83	18.3
6045	1976	PONT	GRNP	400	0.41	4.4	482.0	7.35	18.1
6046	1976	DATS	B210	85	1.02	3.0	229.7	4.55	37.3
6047	1976	DATS	STAW	119	0.75	11.1	298.2	4.06	27.9
6048	1976	TOYO	CORO	97	0.47	6.8	258.5	2.68	32.8
6049	1976	TOYO	CELI	133	0.44	4.6	379.9	4.71	22.8
6050	1976	VOLK	STAW	97	1.66	14.2	268.0	1.95	30.0
6051	1976	VOLK	RABB	97	0.13	0.5	311.8	2.51	28.4

APPENDIX G

LISTING OF HIGHWAY FUEL ECONOMY AND EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6710	1976	MERB	300D	183	0.12	0.6	352.0	1.39	28.8
6713	1977	MERB	300D	183	0.10	0.7	368.3	1.42	27.5
6714	1977	MERB	240D	147	0.11	0.7	340.0	1.42	29.8
5715	1975	MERB	240D	147	0.10	0.7	321.2	1.32	31.5
4703	1974	MERB	240D	147	0.49	1.1	333.1	1.14	30.3
4707	1974	MERB	240D	147	0.15	1.2	307.8	1.14	32.8
4711	1974	PEUG	504D	129	0.95	1.3	297.5	0.93	33.6
4712	1974	MERB	240D	147	0.23	1.0	349.6	1.48	28.9
3708	1973	MERB	220D	141	0.15	1.0	359.6	1.51	28.1
1720	1971	MERB	220D	141	0.53	1.6	310.0	1.36	32.4
0704	1970	MERB	220D	141	0.52	1.3	342.4	1.35	29.4
9705	1969	MERB	220D	134	0.53	1.8	305.0	1.29	32.9
9719	1969	MERB	220D	141	0.39	2.3	338.5	1.85	29.6
8701	1968	MERB	220D	134	0.15	0.8	272.2	1.24	37.2
8702	1965	MERB	190D	121	0.87	2.6	309.4	1.19	32.2
8706	1967	MERB	SEDA	121	0.89	1.9	279.4	1.10	35.7
8709	1965	MERB	190D	121	0.74	2.3	309.9	1.33	32.2
8716	1967	MERB	200D	121	1.26	3.0	328.1	1.55	30.2
8717	1967	MERB	200D	121	0.47	1.5	306.7	1.15	32.8
8718	1965	MERB	190D	121	1.02	2.4	292.2	1.04	34.0

APPENDIX H - LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

Legend

VEH - Vehicle Number

YEAR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

CID - Engine Displacement in Cubic Inches

MODE NO. - Lists the Individual Modes of the Test
- 1 through 32 - Modes of the Surveillance Driving Sequence (SDS), listed on the following page
- BAG ACT. - Results of the entire SDS as measured using the CVS
- BAG CALC. - Results of entire SDS obtained by combining individual modes
  - 33 - Idle Mode
  - 34 - 5 MPH Steady State
  - 35 - 10 MPH Steady State
  - 36 - 15 MPH Steady State
  - 37 - 30 MPH Steady State
  - 38 - 45 MPH Steady State
  - 39 - 60 MPH Steady State

HC - Hydrocarbon Emissions in grams per mile

CO - Carbon Monoxide Emissions in grams per mile

CO$_2$ - Carbon Dioxide Emissions in grams per mile

NOx - Oxides of Nitrogen Emissions in grams per mile (not Humidity Corrected)

MPG - Fuel Economy in miles per gallon, Calculated Using the Carbon Balance Method

SURVEILLANCE DRIVING SEQUENCE

No	Mode Type	Mode Speed Range (mph)	Time in Mode (sec)	Average Speed (mph)	Average Acceleration Rate (mph/sec)	Distance (miles)
1	Accel	0-30	12	18.05	2.50	0.0602
2	Decel	30-0	16	16.66	-1.88	0.0741
3	Accel	0-15	8	9.04	1.88	0.0201
4	Accel	15-30	11	23.07	1.36	0.0705
5	Accel	30-45	13	37.65	1.15	0.1360
6	Decel	45-30	12	38.05	-1.25	0.1268
7	Accel	30-60	17	45.80	1.76	0.2163
8	Decel	60-45	12	51.48	-1.25	0.1716
9	Accel	45-60	14	52.54	1.07	0.2043
10	Decel	60-15	30	40.40	-1.50	0.3367
11	Accel	15-60	26	43.42	1.73	0.3136
12	Decel	60-0	21	33.83	-2.86	0.1973
13	Accel	0-60	32	37.27	1.88	0.3313
14	Decel	60-30	23	46.86	-1.30	0.2994
15	Decel	30-15	9	23.18	-1.67	0.0579
16	Decel	15-0	8	7.81	-1.88	0.0173
17	Accel	0-45	22	28.85	2.05	0.1759
18	Decel	45-15	16	31.33	-1.88	0.1392
19	Accel	15-45	18	30.55	1.67	0.1528
20	Decel	45-0	19	24.72	-2.37	0.1304
21	Accel	0-60	25	38.28	2.40	0.2654
22	Decel	60-0	28	33.88	-2.14	0.2634
23	Accel	0-30	15	17.73	2.00	0.0737
24	Accel	30-60	25	45.14	1.20	0.3134
25	Decel	60-30	18	47.23	-1.67	0.2362
26	Decel	30-0	10	15.99	-3.00	0.0444
27	Accel	0-60	38	38.01	1.58	0.4009
28	Decel	60-0	35	33.87	-1.71	0.32932
29	Accel	0-30	18	17.73	1.67	0.0886
30	Accel	30-60	21	44.55	1.43	0.2599
31	Decel	60-30	14	46.63	-2.14	0.1813
32	Decel	30-0	13	16.40	-2.31	0.0592

APPENDIX H

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

VEH	YEAR	MAKE	MODL	CID
001	1976	CHEV	[illegible]	350

MODE NO.	HC	CO	CO2	NOX	MPG
1	6.19	202.1	[illegible]	3.14	7.7
2	3.32	77.7	[illegible]	0.08	19.9
3	8.01	227.8	[illegible]	0.51	7.4
4	4.72	150.0	[illegible]	0.94	11.4
5	3.05	83.8	508.8	2.50	13.7
6	1.75	45.4	244.3	0.34	27.6
7	4.57	224.2	622.3	2.49	9.0
8	1.80	45.1	305.5	1.45	23.2
9	2.43	61.9	569.0	4.01	13.2
10	2.73	42.7	255.6	0.90	26.8
11	3.89	136.3	691.8	4.33	9.7
12	3.06	44.7	287.1	1.15	24.2
13	3.68	117.6	746.3	5.13	9.4
14	2.13	41.9	248.2	1.00	27.7
15	2.39	62.1	249.8	0.16	25.0
16	6.73	147.8	609.9	0.00	10.3
17	3.86	103.0	740.2	4.52	9.7
18	2.55	55.1	242.6	0.25	26.3
19	3.71	99.4	657.3	3.83	10.8
20	3.41	57.3	273.2	0.22	23.7
21	5.80	300.7	718.2	2.25	7.3
22	3.19	48.9	278.5	0.98	24.3
23	5.12	140.8	759.4	3.16	8.9
24	3.10	97.7	581.5	3.51	11.9
25	1.93	45.1	257.7	1.12	26.5
26	3.19	70.5	334.7	0.34	19.5
27	3.51	97.4	672.3	4.63	10.6
28	3.08	50.3	271.6	0.86	24.6
29	5.01	143.2	712.4	2.01	9.3
30	4.23	213.6	576.5	2.01	9.6
31	1.84	45.2	260.1	1.15	26.3
32	3.38	71.6	323.7	0.33	19.9
HAC ACT.	3.21	88.2	470.3	2.06	14.3
CALC.	3.31	91.0	461.3	2.14	14.4
33	0.71	15.4	68.9	0.07	93.1
34	8.00	155.4	863.6	0.57	7.8
35	4.31	85.1	439.9	0.29	15.1
36	3.65	79.1	354.8	0.26	18.1
37	2.18	59.2	290.9	0.50	22.7
38	1.48	21.0	363.6	1.11	22.1
39	1.88	48.6	426.5	2.88	17.4

VEH	YEAR	MAKE	MODL	CID
002	1976	CHEV	G10	350

MODE NO.	HC	CO	CO2	NOX	MPG
1	4.53	221.0	950.4	3.11	6.8
2	1.92	51.0	398.5	0.44	18.3
3	4.77	123.3	1098.9	1.97	6.8
4	2.64	80.5	698.4	2.01	10.7
5	2.03	69.5	630.3	3.24	11.9
6	1.39	40.7	271.4	0.66	26.1
7	3.60	240.3	700.0	2.54	8.2
8	0.88	26.3	324.6	2.23	24.1
9	1.91	123.1	632.7	2.79	10.7
10	0.94	20.4	303.6	1.01	26.2
11	3.47	276.7	714.5	2.27	7.6
12	1.15	23.7	333.6	1.32	23.7
13	3.19	240.0	768.0	2.95	7.6
14	0.91	24.8	294.2	1.21	26.4
15	1.22	37.7	309.9	0.38	23.8
16	2.50	56.3	824.7	0.51	9.6
17	2.82	128.8	827.0	4.30	8.5
18	1.50	38.7	287.4	0.52	25.1
19	2.02	94.2	780.8	3.25	9.5
20	1.75	40.3	345.6	0.59	21.4
21	4.99	412.2	792.5	1.73	6.1
22	1.08	25.8	327.4	1.32	23.9
23	1.98	72.5	957.1	3.01	8.2
24	2.65	167.0	643.0	2.62	9.7
25	1.09	25.1	288.6	1.50	26.8
26	1.68	42.6	449.0	0.76	17.0
27	2.78	187.8	713.2	3.41	8.7
28	1.08	29.4	331.7	1.25	23.3
29	2.82	100.8	843.1	3.12	8.8
30	3.50	253.6	641.2	1.79	8.4
31	1.21	31.6	289.2	1.75	25.9
32	1.55	35.6	418.7	0.34	18.5
HAC ACT.	1.91	98.1	524.3	2.17	13.0
CALC.	1.97	99.4	525.3	2.25	12.9
33	0.29	5.8	104.6	0.14	77.4
34	4.14	53.8	1305.1	1.16	6.3
35	2.06	20.1	660.9	0.57	12.7
36	1.57	22.2	470.6	0.37	17.4
37	1.32	31.5	384.6	0.43	20.2
38	0.55	17.4	416.2	0.95	19.9
39	0.21	12.7	544.4	3.30	15.7

VEH	YEAR	MAKE	MODL	CID
003	1976	CHEV	VAN	350

MODE NO.	HC	CO	CO2	NOX	MPG
1	1.24	63.2	1027.4	3.93	7.8
2	1.21	22.0	368.8	0.24	21.8
3	1.08	40.5	1092.9	1.26	7.7
4	1.58	50.5	682.1	1.31	11.6
5	1.68	40.5	588.0	2.51	13.5
6	0.98	19.9	258.7	0.39	30.3
7	[illegible]	225.9	656.6	1.82	8.7
8	0.62	8.5	316.1	1.08	26.8
9	1.16	25.4	640.8	4.03	13.0
10	0.52	5.4	288.9	0.95	29.7
11	2.47	164.1	736.8	3.72	8.9
12	0.71	6.5	314.8	1.09	27.1
13	1.82	117.5	809.7	5.02	8.9
14	0.59	7.8	266.0	0.78	31.7
15	0.84	21.1	307.6	0.28	25.8
16	0.39	0.0	744.4	0.10	11.9
17	0.70	22.9	873.0	5.05	9.7
18	0.97	17.9	268.0	0.39	29.7
19	1.12	30.3	787.1	4.25	10.6
20	1.20	18.8	306.6	0.36	26.1
21	4.30	336.6	758.8	1.99	6.8
22	0.90	11.5	301.7	0.68	27.5
23	1.18	39.4	929.3	3.37	8.9
24	1.98	83.4	626.6	3.35	11.6
25	0.60	9.8	269.2	0.80	31.0
26	1.26	30.5	379.2	0.31	20.6
27	1.02	29.4	763.7	5.22	10.9
28	0.66	9.4	300.3	0.77	28.0
29	1.43	41.2	831.0	2.67	9.9
30	3.01	176.1	620.3	2.25	9.8
31	0.73	13.1	280.4	1.28	29.3
32	0.88	16.4	375.0	0.15	22.0
HAC ACT.	1.08	45.7	512.5	2.15	15.1
CALC.	1.22	47.7	515.1	2.15	14.9
33	0.02	0.0	91.2	0.14	97.2
34	0.41	0.0	1083.8	0.82	8.2
35	0.97	3.0	683.2	0.47	12.8
36	0.99	2.6	436.8	0.36	20.0
37	1.43	25.0	367.7	0.27	21.6
38	0.88	10.8	384.9	1.04	21.9
39	0.09	0.1	491.0	3.29	18.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	004	1976	CHEV	C10	350	005	1976	DODG	VAN	225	006	1976	DODG	B100	360
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.58	63.3	1060.1	3.39	7.6	27.20	385.0	514.2	1.00	8.0	10.11	329.2	750.9	1.54	6.8
2	0.77	25.6	383.2	0.00	21.0	3.48	34.8	245.3	0.90	25.9	4.14	89.7	326.5	0.31	18.5
3	2.65	101.9	1169.2	0.27	6.6	6.51	177.3	790.8	0.93	[illegible]	12.72	363.7	881.6	0.61	5.9
4	0.46	19.0	765.8	0.67	11.1	7.66	232.1	308.3	0.53	11.3	6.24	199.6	543.7	0.71	10.1
5	0.76	25.6	647.5	2.84	12.9	3.61	183.8	323.7	0.85	14.2	[illegible]	100.6	468.9	1.74	13.9
6	0.16	3.4	286.8	0.09	30.3	2.15	100.9	122.2	0.14	[illegible]	[illegible]	47.5	227.5	0.79	28.8
7	3.38	265.9	675.0	1.00	8.0	4.27	213.8	415.2	2.14	11.6	5.84	277.0	529.7	1.23	9.0
8	0.21	0.0	329.2	1.86	26.9	2.00	99.0	167.8	0.50	26.9	2.12	52.5	256.2	1.05	25.7
9	0.57	14.2	686.4	2.21	12.5	3.15	152.0	380.5	1.91	14.1	3.94	143.3	474.7	2.07	12.5
10	0.52	3.2	294.2	0.95	29.5	1.89	59.0	174.7	0.46	32.5	3.77	49.1	234.9	1.18	27.4
11	1.12	61.3	839.1	2.95	9.5	5.81	200.8	443.2	2.29	11.4	6.77	317.6	528.6	1.37	8.5
12	0.38	1.3	336.9	1.33	26.1	2.48	76.0	189.3	0.48	28.0	4.21	54.7	250.6	1.33	24.8
13	1.24	75.0	862.0	3.37	9.0	5.80	214.2	480.0	2.32	10.6	6.48	282.9	584.8	1.80	8.5
14	0.35	0.9	285.8	1.25	30.8	1.90	70.4	160.2	0.41	32.1	2.93	50.0	231.9	1.30	27.8
15	0.10	0.0	349.4	0.21	25.4	1.05	7.3	212.9	1.17	39.0	2.05	30.2	289.7	0.36	25.6
16	0.12	0.0	797.8	0.21	11.1	3.12	27.9	562.7	0.75	14.4	11.82	255.0	545.2	0.29	9.0
17	[illegible]	19.8	907.0	5.93	9.4	10.08	292.2	444.4	1.13	9.5	6.94	274.5	602.5	1.44	8.4
18	0.15	1.4	290.7	0.10	30.3	2.03	90.4	132.1	0.15	31.4	2.99	54.9	235.7	0.74	26.8
19	0.37	17.2	814.4	3.42	10.5	6.42	236.6	407.1	0.91	11.1	5.44	202.1	567.3	1.36	9.8
20	0.31	1.8	338.6	0.07	25.9	3.12	97.4	164.0	0.16	27.1	4.42	64.1	282.5	0.68	22.3
21	3.06	235.3	852.5	3.18	7.2	7.21	238.7	422.6	1.62	10.8	8.06	397.4	589.8	1.27	7.2
22	0.69	3.4	317.9	1.13	27.2	3.21	95.3	171.2	0.24	26.8	4.45	56.0	258.3	1.17	24.6
23	0.81	47.1	983.3	3.28	8.4	12.67	268.4	540.3	1.05	8.9	6.84	214.2	754.6	1.60	8.0
24	0.65	25.3	705.5	3.18	11.9	3.98	223.4	363.9	1.01	12.2	4.34	172.0	484.1	1.87	11.6
25	0.19	0.9	290.0	1.24	30.4	2.18	86.2	140.3	0.30	31.4	2.59	47.7	230.0	1.22	28.3
26	0.20	0.0	446.9	0.20	19.8	2.35	22.7	284.7	1.87	27.1	3.11	46.6	400.4	0.47	18.4
27	0.60	21.9	799.9	3.68	10.6	7.12	231.5	421.0	1.38	11.0	5.77	239.0	530.1	1.80	9.6
28	0.49	3.9	323.5	1.04	26.8	2.45	69.0	187.7	0.38	29.2	4.47	65.2	247.4	1.17	24.4
29	0.60	37.1	898.1	1.57	9.3	14.22	252.1	515.8	0.94	9.3	6.91	213.8	676.9	1.06	8.6
30	1.98	140.9	684.0	2.25	9.7	4.26	201.6	410.4	1.85	12.0	5.53	258.0	488.0	1.30	9.7
31	0.18	1.9	301.6	1.21	29.1	1.81	76.8	162.0	0.51	30.8	2.33	52.2	236.2	1.01	27.3
32	0.19	5.3	411.2	0.25	21.1	1.21	1.5	298.2	1.03	29.2	3.80	53.5	382.4	0.49	16.5
BAG ACT.	0.69	32.5	544.9	2.01	14.8	4.07	146.9	305.5	0.90	16.2	4.53	142.0	405.8	1.27	13.8
CALC.	0.73	31.5	552.0	2.05	14.7	4.15	146.9	300.6	0.93	16.3	4.65	140.7	402.6	1.31	13.9
33	0.14	5.8	87.0	0.02	92.0	0.39	8.7	66.1	0.05	109.4	1.62	33.4	62.6	0.03	73.8
34	1.60	24.6	1093.1	0.13	7.8	4.79	129.1	730.8	0.94	9.4	18.10	397.3	793.9	0.38	6.0
35	0.22	0.0	739.3	0.42	12.0	3.00	43.2	516.7	0.67	14.9	6.33	206.1	556.5	0.32	9.9
36	0.16	0.0	496.7	0.31	17.9	1.87	27.9	333.6	0.50	23.1	3.59	130.5	376.4	0.22	15.0
37	1.66	27.2	375.0	0.18	21.0	1.05	8.6	246.5	2.17	33.7	1.76	27.2	307.7	0.59	24.9
38	0.68	16.0	413.2	0.61	20.2	1.79	81.2	243.4	0.84	23.6	2.15	33.9	339.9	2.33	22.2
39	0.12	1.3	515.2	1.57	17.1	2.17	107.3	302.6	1.51	18.6	3.08	94.5	379.8	2.63	16.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	007	1976	FORD	F100	300	008	1976	FORD	F100	390	009	1976	FORD	F100	390
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	5.75	156.8	740.5	1.87	8.8	14.16	745.4	909.5	0.50	4.2	5.80	73.8	1096.2	8.43	7.2
2	0.67	0.0	353.2	0.65	25.0	0.50	19.1	567.0	0.36	14.8	3.16	9.1	449.2	0.48	18.7
3	1.73	77.9	892.6	2.37	8.7	3.40	179.4	1273.5	1.63	5.7	5.75	90.1	1189.9	2.40	6.6
4	1.00	27.4	565.9	1.46	14.5	2.58	203.1	652.0	0.50	9.1	3.65	57.8	745.9	3.18	10.5
5	0.79	20.0	473.9	1.13	17.5	1.15	92.4	633.2	0.99	11.3	2.75	35.4	711.1	5.30	11.4
6	0.29	0.0	267.1	0.65	33.1	0.21	10.9	399.1	0.31	21.3	2.47	6.9	357.9	0.72	23.6
7	2.22	168.1	580.6	2.30	10.4	2.63	312.0	716.6	0.88	7.3	2.93	64.2	959.5	9.19	8.3
8	0.41	0.0	325.1	1.62	27.2	0.24	8.5	436.9	0.88	19.6	2.14	7.8	445.6	2.47	19.1
9	1.12	79.5	546.1	1.93	13.2	0.48	63.1	703.6	1.92	11.0	1.84	33.4	852.6	9.03	9.8
10	0.50	0.0	270.5	0.93	32.6	0.60	6.1	378.4	0.57	22.8	4.01	4.8	371.5	1.73	22.7
11	2.24	153.3	598.9	1.77	10.5	2.39	287.0	820.2	1.44	6.9	2.60	50.3	954.0	11.40	8.5
12	0.51	0.0	299.0	0.97	29.5	0.43	6.5	436.4	0.79	19.8	6.11	4.5	378.7	1.88	21.9
13	4.28	161.5	636.4	2.17	9.8	1.58	216.8	908.5	1.83	7.1	3.01	49.1	993.3	11.58	8.2
14	0.56	0.0	266.8	1.07	33.1	0.24	4.7	379.7	0.69	22.9	3.24	5.0	384.8	1.94	22.0
15	0.29	0.0	288.4	0.82	30.7	0.19	12.7	486.5	0.33	17.5	2.47	7.2	381.8	0.45	22.1
16	0.48	0.0	761.9	0.87	11.6	1.30	65.8	966.5	0.78	8.3	2.54	17.8	809.2	0.62	10.5
17	6.23	164.0	654.1	1.91	9.5	4.66	302.3	848.9	1.43	6.6	4.41	62.5	921.5	8.64	8.6
18	0.57	0.0	269.3	0.58	32.7	0.19	7.8	418.5	0.31	20.6	5.26	5.3	332.9	0.54	24.8
19	1.90	119.0	595.5	1.96	11.3	3.69	358.6	717.1	0.83	6.9	3.98	43.6	853.1	8.69	9.5
20	0.45	0.0	312.0	0.64	28.3	0.29	9.9	477.9	0.35	18.0	5.96	5.6	387.6	0.68	21.4
21	5.59	166.6	591.8	2.04	9.8	4.55	495.6	857.6	1.05	5.4	3.53	84.8	1084.0	10.96	7.2
22	0.83	0.0	260.6	0.95	31.3	0.31	7.2	438.9	0.74	19.7	4.98	4.9	390.1	1.81	21.5
23	2.27	113.1	761.6	1.17	9.4	1.90	161.9	1003.6	1.52	7.0	5.64	79.5	976.1	5.96	7.9
24	1.43	89.5	551.8	1.42	12.7	1.04	140.0	720.2	1.48	9.4	2.21	37.3	817.1	8.94	10.1
25	0.47	0.0	260.6	1.20	31.5	0.35	5.7	400.7	0.77	21.6	3.92	5.0	372.4	2.13	22.6
26	0.33	0.0	384.8	1.09	23.0	0.33	16.8	653.6	0.51	13.0	4.95	7.8	476.9	0.65	17.6
27	1.96	107.5	617.8	1.32	11.2	0.81	88.5	835.2	2.88	8.1	2.90	39.3	881.9	9.90	9.3
28	0.44	0.0	295.8	1.02	29.9	0.25	6.5	434.2	0.69	19.9	5.52	5.3	396.0	1.88	21.0
29	1.89	103.5	697.5	1.44	10.2	1.88	179.0	945.7	1.19	7.2	5.13	70.3	897.9	4.41	8.7
30	1.72	134.5	546.4	1.65	11.6	2.12	280.3	717.6	0.93	7.6	2.52	45.7	882.4	9.98	9.2
31	0.48	0.0	286.5	1.26	30.8	0.43	5.2	401.1	0.80	21.6	4.42	5.1	362.0	2.12	23.1
32	0.27	0.0	367.2	1.11	24.1	0.38	14.9	599.5	0.55	14.2	5.05	5.9	451.4	0.59	18.6
BAG ACT.	1.21	45.6	459.9	1.52	16.6	0.97	91.5	613.8	1.10	11.7	2.93	27.6	676.1	4.76	12.2
CALC.	1.29	47.8	455.4	1.55	16.6	1.05	92.5	622.5	1.16	11.5	2.89	24.9	674.7	4.99	12.3
33	0.29	6.5	73.4	0.04	105.0	0.36	14.3	108.4	0.08	67.3	0.42	2.6	96.2	0.12	87.3
34	4.81	127.6	790.4	0.49	8.8	8.01	255.6	1178.6	1.00	5.5	3.78	21.7	1170.6	0.79	7.3
35	2.53	31.1	673.4	0.52	12.2	3.15	110.2	840.5	0.56	8.7	2.12	11.4	596.3	0.45	14.3
36	1.10	16.5	417.3	0.31	19.9	2.15	56.6	424.2	0.28	17.1	1.10	23.9	528.9	0.38	15.6
37	0.12	0.0	293.4	1.31	30.2	0.18	10.6	523.9	0.50	16.4	0.76	19.7	495.3	1.02	16.8
38	0.15	0.0	352.8	1.37	25.1	0.25	13.0	481.1	0.61	17.7	0.63	14.4	571.2	1.57	14.9
39	0.19	0.8	442.5	3.47	20.0	0.14	14.0	552.4	2.06	15.4	0.20	12.5	997.5	5.86	8.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

MODE NO.	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	010	1976	DATS	PICK	119	011	1975	CHEV	C10	350	012	1975	CHEV	C10	350
	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	5.49	155.7	556.8	2.39	10.8	14.34	188.3	938.7	1.34	6.9	0.83	3.9	1242.6	6.37	7.1
2	0.63	9.5	263.7	0.64	31.6	1.65	5.2	361.0	0.24	23.7	0.49	0.0	407.9	0.24	21.7
3	3.62	75.1	841.3	3.06	9.1	1.10	0.0	1386.4	2.06	6.4	0.86	0.0	1320.2	2.35	6.7
4	2.23	50.4	460.4	2.58	16.2	3.60	79.7	748.6	1.33	10.0	0.48	0.0	824.1	2.97	10.7
5	2.44	47.7	372.9	2.87	19.5	0.33	0.0	662.8	2.34	13.4	0.51	1.1	702.9	4.07	12.6
6	0.70	9.1	158.9	0.75	50.6	0.13	0.0	251.0	0.53	35.3	0.38	0.0	284.4	0.54	31.1
7	2.73	99.6	338.7	2.12	17.6	3.17	278.2	717.5	1.01	7.6	3.37	281.0	773.1	1.91	7.2
8	0.88	11.8	186.2	1.91	42.8	0.25	0.0	272.2	1.23	32.5	0.50	0.0	322.7	1.57	27.4
9	2.34	75.0	343.5	2.76	18.9	0.41	0.0	744.7	3.27	11.9	0.47	1.9	752.0	7.29	11.7
10	0.65	7.5	168.8	1.22	48.6	0.15	0.0	268.0	0.86	33.1	0.48	0.0	294.3	1.05	30.0
11	3.47	116.9	397.9	2.70	15.0	4.00	277.1	699.3	1.19	7.7	0.73	13.4	957.1	7.29	9.1
12	0.94	8.1	175.6	1.21	46.4	0.79	3.8	276.8	0.89	31.1	0.62	0.0	310.0	1.16	28.5
13	3.65	111.8	439.6	3.32	14.2	5.59	287.2	763.8	1.37	7.2	0.64	4.9	988.0	8.17	8.9
14	0.70	8.0	160.6	1.29	50.6	0.20	0.0	268.7	0.83	33.0	0.48	0.0	286.9	1.04	30.8
15	0.76	9.9	185.4	0.52	43.6	0.14	0.0	262.3	0.24	33.8	0.32	0.0	314.8	0.28	28.1
16	1.26	20.3	538.4	0.47	15.5	0.32	0.0	702.2	0.42	12.6	0.35	0.0	766.1	0.42	11.6
17	3.83	96.1	465.6	3.40	14.1	10.23	318.0	698.0	0.84	7.2	0.62	1.0	979.1	6.69	9.0
18	0.64	7.4	164.4	0.64	49.9	0.69	0.0	252.0	0.39	34.9	0.41	0.0	288.1	0.47	30.7
19	2.94	71.9	457.6	3.69	15.3	3.42	233.9	744.9	1.11	7.9	0.60	3.2	920.0	6.06	9.6
20	0.81	7.8	186.3	0.62	44.2	1.03	1.8	283.3	0.36	30.7	0.50	0.0	328.0	0.50	26.9
21	4.05	129.7	421.2	2.89	13.9	8.64	348.4	719.3	0.87	6.9	2.06	204.6	1016.8	6.15	6.6
22	0.80	8.5	178.5	1.23	45.7	1.08	2.6	293.0	0.72	29.5	0.54	0.0	318.1	1.04	27.8
23	4.28	98.2	548.8	2.92	12.4	10.48	300.0	909.9	1.05	6.3	0.58	0.0	1071.8	5.68	8.3
24	2.72	93.7	360.9	2.53	17.2	1.19	136.9	679.7	1.31	9.9	0.52	1.9	772.3	6.58	11.4
25	0.77	8.9	158.7	1.36	50.7	0.40	0.9	253.9	0.77	34.6	0.57	0.0	278.2	1.14	31.7
26	1.08	13.5	252.6	0.76	32.0	0.20	0.0	352.8	0.20	25.1	0.48	0.0	422.7	0.31	20.9
27	2.69	63.0	428.5	4.00	16.6	4.67	182.1	721.1	1.92	8.7	0.54	1.8	868.7	7.35	10.2
28	0.83	8.1	180.1	1.14	45.4	0.25	0.0	295.7	0.76	29.9	0.52	0.0	325.1	0.99	27.2
29	3.06	62.3	528.4	3.05	14.0	9.71	289.2	839.3	0.91	6.7	0.51	0.0	971.6	4.61	9.1
30	2.87	93.5	375.8	2.63	16.7	3.09	320.2	636.4	0.71	7.7	0.88	36.6	851.5	4.41	9.7
31	0.73	8.4	155.0	1.46	52.1	0.50	2.8	240.5	0.90	36.0	0.56	0.0	284.1	1.24	31.0
32	1.02	14.0	240.0	0.60	33.4	0.33	0.0	338.7	0.20	26.1	0.55	0.0	412.1	0.35	21.4
BAG ACT.	1.78	42.7	295.3	2.28	24.1	2.07	86.7	522.2	1.22	13.3	0.60	14.4	593.0	3.11	14.4
CALC.	1.83	42.7	299.0	2.21	23.9	2.14	86.2	512.4	1.25	13.6	0.60	14.3	591.9	3.33	14.4
33	0.16	3.9	35.3	0.02	211.7	0.03	0.0	70.8	0.03	125.3	0.04	0.0	102.1	0.10	86.8
34	2.00	38.6	518.7	0.34	15.2	0.28	0.0	952.9	0.46	9.3	0.62	0.0	1208.6	0.89	7.3
35	0.94	30.0	519.9	0.62	15.6	0.00	0.0	1049.5	0.68	8.5	0.84	0.0	612.6	0.41	14.4
36	0.79	22.6	346.6	0.48	23.1	0.08	0.0	531.1	0.54	16.7	2.23	0.0	571.9	0.38	15.3
37	0.68	14.1	258.9	1.27	31.3	0.01	0.0	383.4	0.44	23.1	0.60	0.0	417.6	0.58	21.2
38	1.05	16.6	229.4	1.64	34.3	0.12	0.0	401.5	1.47	22.1	0.16	0.1	436.1	1.48	20.3
39	1.00	21.6	276.9	3.85	28.3	0.22	0.0	507.3	3.22	17.5	0.33	1.9	554.4	3.90	15.9

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX B.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	013	1975	CHEV	VAN	350	014	1975	DODG	VAN	318	015	1975	FORD	F100	302
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	2.65	130.9	1168.9	1.97	6.4	14.28	235.6	1034.2	3.64	6.1	0.79	4.6	840.5	2.58	10.4
2	0.27	0.0	347.1	0.74	25.5	5.42	30.5	332.1	1.22	22.3	0.10	0.0	337.2	0.34	26.3
3	1.11	3.2	1327.5	1.54	6.6	24.59	159.7	1236.8	3.50	5.7	0.75	0.0	925.5	0.70	9.6
4	1.17	23.8	851.8	1.01	9.9	8.84	43.9	811.4	3.62	9.8	0.47	0.5	501.6	1.36	15.2
5	0.98	14.6	732.7	1.71	11.7	4.03	32.0	682.9	4.76	11.9	0.51	3.3	512.6	1.94	17.1
6	0.41	0.0	265.7	0.45	33.2	0.57	0.6	252.7	0.79	34.7	0.11	0.0	239.4	0.56	37.0
7	0.05	298.7	702.7	1.35	7.6	6.56	240.2	785.1	3.24	7.5	2.13	107.0	566.7	2.67	12.0
8	0.63	0.3	282.8	1.14	31.1	0.50	0.0	297.7	1.42	29.7	0.29	0.2	280.6	0.97	31.5
9	0.94	9.1	796.1	4.40	10.9	3.17	111.8	684.2	3.01	10.2	0.73	29.1	524.8	1.94	15.5
10	0.37	0.0	265.6	1.13	33.3	1.74	10.2	264.8	0.80	31.0	0.15	0.0	239.2	0.64	37.0
11	3.06	180.3	835.7	2.64	7.9	8.66	283.9	736.5	2.28	7.3	1.54	92.9	623.1	2.02	11.5
12	0.49	0.0	277.8	0.91	31.8	1.97	10.8	288.4	0.96	28.5	0.17	0.0	262.4	0.72	33.8
13	3.13	172.2	885.5	3.03	7.6	8.33	233.8	811.5	3.37	7.4	1.57	91.2	660.4	2.07	11.0
14	0.37	0.0	269.0	0.91	32.8	1.52	6.2	252.1	0.86	33.3	0.11	0.0	237.7	0.61	37.3
15	0.18	0.0	278.1	0.47	31.9	2.78	26.1	244.7	0.77	30.1	0.10	0.0	270.9	0.33	32.7
16	0.36	0.0	677.0	0.59	13.1	17.94	154.9	541.7	0.42	10.5	0.33	0.0	584.5	0.31	15.2
17	1.64	60.4	990.6	2.24	8.1	10.37	229.4	807.1	2.65	7.4	1.00	31.0	708.1	1.94	11.7
18	0.28	0.0	265.9	0.35	33.3	2.29	11.6	239.8	0.57	33.4	0.11	0.0	236.5	0.42	37.2
19	2.76	171.2	838.5	1.49	8.0	8.03	136.1	788.2	3.34	8.6	0.91	45.3	598.5	1.71	13.2
20	0.36	0.0	305.7	0.34	28.9	3.15	19.6	282.4	0.59	27.5	0.15	0.0	269.9	0.44	32.6
21	5.88	303.5	858.5	1.89	6.6	10.67	345.9	827.8	2.78	6.3	2.32	165.3	666.0	2.18	9.5
22	0.52	0.0	291.4	0.78	30.3	2.49	11.5	277.0	0.77	29.3	0.19	0.0	255.3	0.58	34.7
23	1.16	21.2	1088.5	2.32	7.9	11.28	93.8	[illegible]	[illegible]	7.5	0.69	3.1	805.0	1.87	10.9
24	1.47	61.3	787.7	2.57	10.0	5.87	173.6	[illegible]	[illegible]	9.5	0.85	39.1	549.4	1.80	14.5
25	0.36	0.0	276.5	0.97	32.0	1.27	6.7	244.9	0.79	34.2	0.12	0.0	242.0	0.66	36.6
26	0.21	0.0	348.5	0.92	25.4	4.91	51.4	308.9	0.86	21.9	0.13	0.0	354.4	0.45	25.0
27	1.56	54.8	887.1	2.74	9.1	6.74	135.5	730.3	3.80	9.1	0.93	38.8	613.4	2.42	13.1
28	0.32	0.0	308.3	0.78	28.7	2.62	16.4	267.4	0.84	29.4	0.14	0.0	252.6	0.58	35.1
29	0.85	8.9	1000.8	1.79	8.7	10.35	84.2	883.1	4.21	8.5	0.52	0.0	725.9	1.75	12.2
30	4.63	271.5	699.3	1.25	7.8	6.27	211.2	666.7	2.53	8.7	1.02	55.7	582.3	2.04	13.2
31	0.54	0.0	267.2	0.93	33.0	0.75	1.6	274.6	1.13	31.8	0.14	0.0	257.8	0.84	34.4
32	0.32	0.0	347.7	0.90	25.5	3.84	34.0	329.9	0.79	22.4	0.11	0.0	332.4	0.40	26.7
BAG ACT.	1.19	49.3	582.5	1.87	13.4	4.35	75.6	537.0	2.07	13.3	0.58	22.7	445.4	1.30	18.4
CALC.	1.12	44.8	571.6	1.81	13.7	4.44	75.8	526.0	2.13	13.5	0.59	22.4	437.4	1.32	18.7
33	0.06	0.0	85.1	0.12	104.0	1.76	18.8	69.5	0.07	84.9	0.05	0.0	71.5	0.03	123.9
34	0.88	0.0	1052.7	0.92	8.4	18.28	152.4	897.4	0.86	7.4	0.67	0.0	842.2	0.31	10.5
35	0.53	0.0	528.9	0.39	16.7	8.40	76.5	438.0	0.41	15.2	0.39	0.0	450.3	0.31	19.7
36	0.60	1.1	462.2	0.64	19.1	7.03	22.5	389.3	0.45	19.9	0.25	0.0	425.4	0.39	20.8
37	0.30	0.1	380.8	0.59	23.2	0.39	2.4	338.9	1.99	25.8	0.15	0.0	322.1	0.48	27.5
38	0.28	0.0	434.0	2.20	20.4	0.14	1.9	361.3	2.06	24.3	0.15	0.1	332.1	0.96	26.7
39	0.51	1.5	552.1	4.50	16.0	0.83	9.3	436.1	3.85	19.6	0.08	1.4	415.6	1.63	21.2

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	016	1975	FORD	F100	390	017	1975	FORD	E100	351	018	1976	AMC	HORN	258
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	3.47	284.6	1216.2	1.85	5.3	4.01	131.6	1082.0	8.60	6.8	4.27	222.9	875.9	2.05	7.2
2	0.35	14.5	516.5	0.35	16.4	1.24	30.6	470.9	0.83	17.0	1.71	31.8	274.4	0.43	26.9
3	2.03	88.1	1434.0	1.85	5.6	4.16	83.1	1256.7	4.04	6.3	3.31	79.9	992.6	2.[illegible]	7.9
4	2.27	194.3	783.4	0.62	8.1	2.53	66.9	704.0	4.05	10.9	2.45	115.6	621.7	1.10	10.9
5	1.31	122.8	749.4	0.78	9.4	2.00	54.3	620.3	6.02	12.5	2.16	101.9	552.4	1.79	12.3
6	0.64	10.8	383.9	0.19	22.0	0.78	10.2	283.5	1.43	29.4	0.67	8.9	195.5	0.45	41.9
7	2.80	243.1	846.5	1.88	7.2	3.06	158.0	760.9	7.20	8.7	4.35	309.0	685.7	2.62	7.5
8	1.54	4.7	399.7	0.47	21.5	1.12	22.1	311.3	3.17	25.4	0.80	15.0	223.0	0.69	35.6
9	0.64	53.6	853.5	1.77	9.4	2.21	100.0	629.3	6.47	11.2	2.74	168.3	548.3	1.34	10.8
10	1.51	3.6	365.3	0.36	23.6	0.71	15.6	303.2	2.15	26.9	2.14	14.9	203.0	0.46	38.1
11	1.70	162.2	937.6	1.72	7.4	2.93	154.1	777.9	6.59	8.6	3.91	267.4	643.8	1.52	8.2
12	3.48	4.3	379.0	0.35	22.4	0.89	16.5	323.1	1.99	25.2	2.71	15.7	204.2	0.44	37.4
13	1.53	145.4	990.1	1.81	7.3	2.96	130.8	825.2	8.09	8.5	4.12	275.8	666.8	1.56	8.0
14	2.04	3.6	358.2	0.33	24.0	0.68	18.6	290.4	2.34	27.6	1.59	18.0	207.4	0.46	36.9
15	0.44	13.6	425.8	0.26	19.8	0.73	27.2	354.7	0.53	22.2	1.04	10.4	221.4	0.58	36.8
16	1.31	24.9	949.5	0.86	8.9	3.60	124.4	870.9	1.57	8.2	2.24	34.1	555.0	0.42	14.4
17	4.43	257.0	930.8	1.05	6.6	3.21	100.7	839.9	8.95	8.8	3.29	173.9	708.7	2.09	8.9
18	0.35	5.4	396.5	0.21	21.9	0.85	11.6	318.5	1.43	26.1	1.33	12.3	200.9	0.39	39.5
19	2.41	215.0	826.1	1.07	7.6	3.12	135.7	714.9	5.32	9.5	3.03	161.5	663.7	2.19	9.6
20	0.59	6.9	455.0	0.27	19.0	1.01	14.8	375.3	1.45	22.1	2.10	12.7	237.1	0.39	33.7
21	2.92	283.1	1016.5	1.81	6.0	3.89	212.9	880.3	6.91	7.2	4.90	358.0	723.1	1.76	6.8
22	1.98	5.0	399.4	0.31	21.5	1.00	17.9	329.9	2.04	24.6	2.42	17.8	226.3	0.47	33.9
23	1.42	120.5	1173.8	1.52	6.5	3.51	104.8	933.7	6.66	8.0	3.61	149.4	810.9	2.08	8.4
24	1.08	121.7	811.2	1.18	8.8	2.36	109.6	640.9	5.80	10.8	2.78	167.6	564.5	1.57	10.6
25	2.27	4.1	348.5	0.30	24.5	0.69	18.0	282.7	2.12	28.3	1.29	14.8	202.8	0.49	38.6
26	0.59	15.2	564.6	0.39	15.0	1.11	34.9	485.5	0.86	16.3	1.83	33.2	299.5	0.66	24.8
27	1.38	132.9	891.7	1.32	8.0	2.71	103.0	722.9	8.02	9.9	3.04	162.6	648.9	1.97	9.7
28	1.43	5.0	396.3	0.34	21.7	0.83	22.9	331.3	2.02	24.0	2.16	19.2	238.2	0.44	32.2
29	1.58	168.2	1038.7	0.83	6.8	3.17	81.7	829.6	5.60	9.2	3.23	129.2	743.2	1.68	9.3
30	2.47	245.0	784.8	1.02	7.5	2.73	138.5	701.3	5.69	9.6	3.73	259.0	612.7	1.79	8.6
31	2.21	4.7	350.8	0.29	24.3	0.76	18.7	281.1	1.95	28.4	1.21	15.5	195.5	0.49	39.7
32	0.58	13.3	533.6	0.36	16.0	1.21	38.5	481.7	0.84	16.3	1.69	11.8	284.2	0.76	28.8
BAG ACT.	1.36	65.7	666.9	0.85	11.5	1.80	63.7	539.1	4.38	13.8	2.42	93.6	430.2	1.06	15.2
CALC.	1.32	66.0	668.9	0.86	11.4	1.80	65.0	532.5	4.43	13.9	2.49	94.8	433.8	1.07	15.0
33	0.25	3.8	121.6	0.14	69.1	0.45	9.6	120.4	0.38	64.8	0.24	2.2	66.1	0.06	126.2
34	2.49	52.3	1498.9	1.39	5.6	5.11	91.1	1462.1	3.68	5.5	2.86	23.8	798.4	0.68	10.5
35	1.23	10.9	738.2	0.59	11.7	2.25	26.6	731.0	1.68	11.4	1.40	15.1	428.1	0.32	19.5
36	0.44	21.4	670.6	0.54	12.6	1.22	9.7	487.3	0.79	17.5	0.72	8.8	333.3	0.37	25.4
37	0.28	15.0	476.1	0.65	17.7	0.72	6.1	383.0	1.16	22.5	0.88	23.7	290.4	0.85	26.9
38	0.34	13.0	508.5	0.60	16.7	1.04	6.9	377.3	3.53	22.7	0.85	14.0	366.9	0.96	22.7
39	0.13	12.5	596.4	1.88	14.4	1.13	46.7	430.3	6.15	17.5	1.60	75.3	410.3	0.81	16.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	019	1976	BUIC	CNTY	350	020	1976	BUIC	LESA	350	021	1976	CADI	DEVI	500
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.97	79.8	1235.4	4.75	6.5	3.85	177.0	968.3	4.22	7.1	6.57	186.7	1259.4	4.68	5.6
2	0.62	5.2	387.6	0.24	22.3	1.53	28.8	378.9	0.90	20.7	3.42	55.1	377.3	0.59	18.7
3	1.15	33.5	1323.9	1.61	6.4	3.81	77.4	1134.1	2.92	7.0	9.66	199.3	1286.8	2.88	5.4
4	1.51	52.9	834.3	1.86	9.6	2.40	74.4	705.1	3.05	10.7	4.72	116.8	778.3	3.35	9.1
5	1.34	34.8	747.3	4.08	11.0	2.10	55.1	640.2	4.36	12.1	2.91	74.0	709.2	3.71	10.6
6	0.20	1.1	231.2	0.51	38.0	1.02	19.6	274.7	1.16	28.8	1.34	25.3	280.5	0.71	27.3
7	3.47	226.5	846.5	5.55	7.3	4.89	400.1	590.1	1.52	7.2	4.82	278.4	897.7	3.50	6.6
8	0.27	1.7	250.9	1.35	34.9	1.18	19.6	334.1	2.90	24.1	0.98	15.3	339.0	1.26	24.2
9	1.46	52.8	737.4	5.78	10.8	3.16	220.7	588.1	3.02	9.3	1.90	61.6	796.7	3.48	9.9
10	0.35	2.1	247.5	0.84	35.2	1.08	18.4	280.2	1.88	28.2	1.54	15.1	314.9	0.72	25.8
11	2.20	85.6	888.8	7.14	8.6	5.14	426.5	659.2	1.80	6.6	3.98	167.5	1033.5	4.23	6.8
12	0.48	2.6	260.0	0.93	33.4	2.47	25.9	316.1	2.18	24.3	1.62	15.5	344.0	0.89	23.8
13	2.40	94.9	920.0	6.32	8.2	5.27	412.5	693.4	2.48	6.5	2.97	125.8	1090.4	4.71	6.8
14	0.30	1.8	233.7	0.98	37.4	1.64	23.4	284.2	2.02	27.2	1.03	15.8	311.8	1.02	26.1
15	0.35	9.4	265.9	0.17	31.5	1.46	22.6	305.3	0.54	25.7	1.60	32.1	288.6	0.74	25.8
16	0.19	0.0	751.7	0.31	11.8	3.09	61.7	687.8	1.19	11.2	5.52	61.6	735.1	0.73	10.4
17	2.39	167.2	909.9	4.19	8.2	3.60	190.4	810.2	4.15	7.9	3.79	120.3	1050.7	5.17	7.1
18	0.38	4.1	244.6	0.39	35.2	1.74	26.6	261.9	0.69	28.7	1.02	27.9	285.3	0.65	26.5
19	1.94	77.6	869.6	3.97	8.9	3.39	211.1	721.2	2.89	8.3	3.42	91.2	940.9	4.98	8.1
20	0.66	1.8	284.8	0.36	30.6	2.38	28.3	302.6	0.84	25.0	2.61	31.8	333.9	0.69	22.6
21	3.67	211.4	950.6	5.70	6.9	6.72	564.8	697.5	1.29	5.5	6.17	381.3	1060.1	3.94	5.3
22	0.50	2.6	267.8	0.81	32.5	2.44	27.2	308.6	1.84	24.7	2.21	20.6	322.2	0.98	24.5
23	1.84	84.0	1043.4	3.02	7.5	3.13	72.0	938.1	5.27	8.4	5.15	117.0	1124.4	6.81	6.7
24	2.19	81.3	706.7	4.47	10.5	2.74	159.4	631.2	3.13	10.0	2.63	86.7	806.5	4.49	9.3
25	0.48	3.7	222.8	0.89	38.6	1.45	27.0	279.8	2.06	27.2	1.18	20.4	309.3	1.22	25.7
26	1.25	29.9	366.3	0.20	21.3	1.92	32.8	395.2	1.09	19.6	2.78	51.9	415.5	1.12	17.5
27	2.29	96.7	780.1	4.03	9.4	3.65	241.3	689.7	3.38	8.2	3.03	100.7	935.3	5.03	8.0
28	0.56	3.8	267.8	0.72	32.2	2.22	31.1	298.7	1.72	25.0	2.06	21.9	324.9	0.96	24.3
29	1.63	78.8	920.1	2.24	8.5	3.08	86.9	851.5	3.65	8.9	5.10	124.3	1003.8	6.38	7.3
30	2.59	105.8	755.3	5.34	9.5	4.46	359.1	567.2	1.57	7.7	3.18	135.2	881.8	4.69	8.0
31	0.68	5.6	225.7	1.22	37.5	1.49	31.1	296.7	2.17	25.3	1.13	21.6	308.9	1.43	25.6
32	1.08	23.8	359.7	0.20	22.2	1.96	37.3	374.6	0.96	20.2	2.98	50.6	381.0	0.94	18.9
BAG ACT.	1.24	45.8	533.7	2.39	14.6	2.65	131.9	498.6	2.19	12.4	2.63	74.0	611.4	2.39	12.1
CALC.	1.26	45.3	534.0	2.54	14.6	2.84	131.5	501.6	2.48	12.4	2.70	74.9	619.8	2.53	11.9
33	0.01	0.0	93.2	0.09	95.2	0.37	9.8	82.0	0.08	90.0	0.78	12.8	81.3	0.06	85.4
34	0.29	0.0	1118.2	0.82	7.9	4.35	100.7	1005.7	0.63	7.5	10.70	165.4	991.9	0.56	6.9
35	21.37	457.9	471.5	0.17	7.1	2.16	62.6	772.7	0.56	10.1	5.39	77.6	617.6	0.28	13.5
36	11.84	301.2	317.8	0.13	10.7	1.31	28.9	513.2	0.41	15.8	4.10	63.0	453.7	0.34	15.7
37	1.74	59.3	329.0	0.24	20.7	0.77	7.7	409.8	0.38	20.9	1.79	35.6	380.1	1.25	20.1
38	0.12	0.8	411.7	1.50	21.5	1.21	26.4	401.3	1.75	19.9	0.30	1.3	489.9	1.37	18.0
39	0.23	7.4	533.4	3.86	16.3	1.45	37.1	512.9	4.87	15.4	0.58	14.5	601.9	1.99	14.2

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	022	1976	CHEV	STAW	350	023	1976	CHEV	CHEL	350	024	1976	CHEV	STAW	140
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	7.36	238.3	1023.8	6.28	6.2	4.28	148.0	1011.3	4.46	7.1	4.08	251.9	595.4	3.03	8.8
2	4.16	118.2	300.1	0.00	17.8	1.83	41.4	346.1	0.46	21.3	2.05	100.3	201.6	0.34	24.3
3	11.83	415.8	954.6	0.45	5.4	4.12	76.2	1216.1	3.24	6.6	5.18	287.9	574.8	0.63	8.5
4	6.49	184.6	641.2	2.46	9.3	2.13	42.6	722.0	2.11	11.2	2.65	141.7	406.2	1.49	13.9
5	4.08	137.3	592.0	3.16	10.8	1.62	53.8	592.5	2.22	13.0	2.00	123.3	359.3	2.13	15.9
6	2.21	53.0	224.3	0.43	28.2	0.96	23.9	216.0	0.28	34.6	0.98	40.2	150.2	0.39	41.0
7	6.51	370.1	684.9	2.39	6.9	3.32	215.0	652.4	2.23	8.9	2.72	204.9	463.7	3.53	11.2
8	1.96	46.9	265.1	1.79	25.7	1.04	26.2	223.2	0.70	33.2	0.90	37.6	169.3	1.32	38.4
9	3.33	119.4	646.9	4.50	10.5	1.46	86.6	555.8	1.76	12.7	2.00	129.4	421.2	3.47	14.1
10	3.10	54.3	236.4	1.02	26.8	1.07	19.5	240.2	0.53	32.4	1.03	43.2	157.7	0.87	38.8
11	6.67	367.2	683.0	2.24	6.9	3.59	235.7	650.2	1.64	8.6	3.10	256.6	455.4	2.41	10.2
12	3.88	57.0	257.7	1.32	24.7	1.58	24.0	251.1	0.57	30.2	1.25	49.4	180.6	1.14	33.8
13	6.52	338.0	738.0	2.95	6.9	3.44	209.8	713.8	2.37	8.4	2.48	169.7	513.0	4.30	11.3
14	2.75	46.8	231.1	1.12	28.3	1.28	23.6	228.6	0.66	32.9	0.95	42.3	154.0	0.91	39.7
15	3.03	94.7	227.2	0.00	23.0	1.29	29.8	271.7	0.43	27.5	1.25	58.7	165.2	0.53	34.0
16	10.42	264.6	522.6	0.00	9.1	1.94	9.5	735.4	0.59	11.7	3.73	187.0	415.5	0.21	12.3
17	5.88	230.7	789.6	3.83	7.6	2.92	128.5	794.2	3.26	8.8	2.64	169.5	518.9	3.58	11.2
18	3.44	67.2	212.4	0.18	27.0	1.02	19.7	250.7	0.32	31.2	1.21	49.6	152.1	0.31	38.0
19	5.39	194.6	743.6	4.00	8.3	2.63	99.2	748.0	3.12	9.7	2.56	158.9	468.1	3.16	12.2
20	3.88	67.2	269.1	0.33	22.9	1.51	33.8	288.7	0.31	25.6	1.63	66.7	172.1	0.33	31.5
21	8.58	511.7	762.4	1.65	5.6	4.79	331.4	754.4	1.90	6.9	3.92	330.3	520.6	2.18	8.4
22	3.90	64.8	252.0	0.98	24.2	1.80	33.3	259.0	0.61	28.0	1.23	52.9	177.8	0.92	33.5
23	6.89	217.7	896.1	4.16	7.0	3.20	88.5	923.6	3.76	8.3	3.20	160.7	567.1	2.96	10.7
24	5.12	255.0	597.8	2.44	8.7	2.86	162.2	572.6	1.82	10.6	2.21	156.4	421.2	3.22	13.2
25	3.01	54.0	223.2	1.10	27.9	1.52	31.6	217.6	0.67	32.6	1.06	45.0	153.8	0.90	38.9
26	4.38	126.1	313.0	0.00	16.9	1.87	40.1	390.9	0.67	19.3	1.96	95.6	226.1	0.51	23.2
27	5.44	239.7	687.8	3.37	8.2	2.83	137.3	673.5	2.84	9.9	2.41	162.1	469.1	3.77	12.1
28	4.46	72.6	246.6	0.93	23.7	1.58	32.6	263.1	0.55	27.8	1.34	60.0	166.2	0.68	33.5
29	7.16	217.3	793.8	3.06	7.7	3.11	104.7	802.5	2.44	9.1	3.07	164.4	487.0	1.80	11.8
30	5.98	337.4	616.2	1.78	7.6	3.58	223.2	591.6	1.56	9.3	2.34	162.7	469.8	4.09	12.1
31	2.83	56.6	236.4	1.20	26.5	1.58	36.7	211.3	0.63	32.4	1.25	47.2	162.6	1.02	36.9
32	4.41	112.1	292.1	0.00	18.4	1.82	33.1	373.1	0.56	20.6	2.04	104.9	212.8	0.35	23.1
BAG ACT.	4.43	162.4	464.3	1.98	12.1	2.03	85.2	462.7	1.41	14.7	1.83	112.6	313.9	1.79	17.9
CALC.	4.52	159.7	464.5	1.96	12.2	2.14	86.6	454.5	1.40	14.9	1.88	112.8	307.7	1.85	18.1
33	0.95	26.0	69.0	0.04	78.7	0.01	0.1	99.7	0.20	88.9	0.46	21.1	52.7	0.07	101.8
34	11.65	291.4	859.3	0.57	6.6	1.63	10.2	1222.7	1.34	7.1	5.11	220.7	662.9	0.82	8.7
35	6.73	163.3	512.8	0.30	11.2	1.46	8.6	653.8	0.35	13.2	2.25	85.6	362.8	0.53	17.6
36	4.44	112.8	352.7	0.23	16.3	0.82	3.0	423.5	0.25	20.6	1.29	38.8	255.9	0.39	27.7
37	2.79	89.1	302.3	0.67	19.7	1.38	37.8	283.2	0.56	25.6	0.93	25.6	208.8	1.60	35.2
38	1.71	37.6	401.9	1.54	19.0	0.27	13.8	361.2	0.50	23.1	0.90	20.3	248.5	1.23	31.3
39	2.07	56.3	477.4	3.51	15.5	1.18	33.8	405.2	2.03	19.2	1.05	45.0	307.0	2.86	23.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	025	1976	CHEV	MONT	400	026	1976	CHEV	MONT	305	027	1976	CHEV	NOVA	250
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	3.09	88.3	1056.8	5.73	7.4	7.61	232.7	922.1	2.92	6.8	13.18	286.8	666.6	4.66	7.7
2	0.72	19.0	372.0	0.49	22.0	2.60	39.6	287.6	0.59	24.8	5.47	119.6	167.1	0.05	23.6
3	5.84	181.6	1027.3	1.08	6.7	9.41	227.7	960.2	1.30	6.6	25.58	527.6	503.9	0.34	6.3
4	2.39	58.7	703.7	2.44	11.0	4.85	140.0	590.3	1.06	10.8	7.94	147.4	433.2	4.25	12.9
5	0.38	8.4	654.0	4.30	13.3	3.99	118.5	518.6	2.00	12.4	3.44	126.7	410.8	2.77	14.3
6	0.10	0.0	275.1	1.05	32.2	1.73	36.5	188.6	0.42	35.3	1.37	24.5	148.4	1.34	46.4
7	2.66	211.6	731.7	2.22	8.3	6.42	307.5	658.7	1.62	7.6	5.11	238.9	512.2	2.38	9.8
8	0.21	0.0	306.8	2.56	28.9	2.16	65.0	205.6	0.64	28.2	0.64	3.8	203.1	3.34	42.0
9	0.24	4.6	704.5	3.58	12.5	4.48	191.5	518.8	1.55	10.6	3.32	138.0	449.8	3.01	13.1
10	0.67	7.2	280.6	1.98	30.2	2.55	48.0	200.1	0.51	31.3	3.15	24.8	173.2	2.08	39.9
11	0.57	14.6	907.4	5.93	9.5	6.19	298.3	632.6	1.39	7.9	5.83	239.8	518.0	2.10	9.7
12	0.71	7.9	309.5	2.36	27.4	3.11	55.9	210.9	0.58	28.8	3.63	22.5	179.6	2.12	39.2
13	0.73	26.0	940.1	5.94	9.0	6.35	283.1	679.0	1.82	7.8	5.87	226.2	543.3	2.57	9.7
14	0.42	4.2	272.7	2.07	31.6	2.36	50.6	198.3	0.54	31.1	1.98	19.3	164.6	1.83	44.1
15	0.23	3.2	300.2	0.42	29.0	1.97	24.3	233.2	0.57	32.0	2.76	74.7	181.1	0.13	33.2
16	3.64	87.4	662.6	0.00	10.9	4.89	66.0	577.2	0.32	12.7	13.99	280.7	271.3	0.00	11.7
17	1.19	30.4	909.3	7.41	9.2	5.60	187.2	734.0	2.77	8.5	6.04	183.8	574.9	3.57	10.1
18	0.36	4.7	275.6	0.47	31.2	2.03	37.3	199.2	0.34	33.6	2.77	38.2	145.0	0.88	41.5
19	1.08	23.1	833.2	6.05	10.2	4.89	153.8	683.4	2.57	9.4	5.88	160.8	529.1	3.95	11.1
20	0.76	11.8	310.6	0.96	26.8	2.66	47.3	227.6	0.36	28.6	4.73	47.5	170.4	1.06	34.1
21	2.32	140.8	938.5	5.48	7.6	7.41	356.6	753.8	1.85	6.6	6.57	295.2	601.2	2.30	8.2
22	0.82	10.1	296.4	1.71	28.2	3.13	59.4	208.0	0.44	28.5	3.72	28.2	182.0	1.96	37.3
23	2.15	58.9	967.4	4.83	8.3	6.67	202.7	784.7	2.04	7.9	6.24	154.6	635.6	5.50	9.9
24	0.34	15.1	742.9	3.93	11.6	4.73	201.4	546.4	1.65	10.1	3.49	144.9	457.5	2.64	12.7
25	0.30	2.1	272.6	2.28	32.1	2.20	55.8	188.8	0.50	31.3	1.09	13.0	163.3	2.14	47.4
26	0.29	4.6	412.8	0.71	21.1	2.85	38.2	318.9	0.84	22.9	3.90	87.0	199.3	0.24	25.6
27	0.52	11.5	843.7	6.95	10.3	5.47	222.9	619.4	1.97	9.0	4.19	145.5	517.7	3.55	11.7
28	0.82	12.9	299.2	1.92	27.6	2.78	55.1	214.6	0.46	28.6	3.07	34.6	174.3	1.71	36.8
29	2.15	64.3	383.7	4.18	9.3	6.03	175.5	728.2	1.80	8.7	6.40	162.4	545.2	4.75	10.8
30	1.24	84.8	732.5	4.22	10.2	5.38	246.7	605.9	1.58	8.8	4.00	170.6	495.2	2.80	11.4
31	0.20	0.5	291.5	2.08	30.3	2.14	57.0	179.4	0.49	32.2	0.70	8.4	169.3	2.26	48.0
32	0.51	11.9	389.0	1.04	21.7	2.69	34.3	289.9	0.62	25.2	3.95	89.3	194.3	0.23	25.6
BAG ACT.	0.78	26.5	554.1	3.31	14.8	3.87	133.5	417.6	1.09	13.9	4.14	97.4	350.2	2.80	17.2
CALC.	0.83	26.0	553.6	3.45	14.9	4.01	134.0	415.4	1.11	13.9	4.20	98.8	340.9	2.78	17.4
33	0.69	21.0	69.7	0.06	84.6	0.70	12.6	63.1	0.04	104.3	1.10	33.0	39.6	0.02	93.5
34	7.53	149.0	932.0	0.77	7.5	8.63	116.6	783.0	0.44	8.9	11.84	360.2	524.5	0.18	7.9
35	1.55	9.2	711.4	0.66	12.1	4.53	48.2	556.7	0.36	13.7	5.97	161.0	311.9	0.15	15.2
36	0.49	1.4	468.6	0.51	18.8	2.92	33.1	369.3	0.28	20.6	3.44	103.4	216.2	0.12	22.8
37	0.15	0.0	401.2	0.54	22.1	2.11	22.8	318.1	1.08	24.6	1.77	45.5	222.4	0.62	29.6
38	0.03	0.0	417.6	2.29	21.3	1.87	22.3	358.0	1.19	22.2	0.06	0.0	307.7	5.29	28.8
39	0.04	0.0	523.4	5.39	17.0	2.51	74.4	414.0	2.03	16.5	0.05	0.0	389.1	8.03	22.8

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	028	1976	CHEV	CHET	85	029	1976	DODG	STAW	318	030	1976	DODG	STAW	225
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	5.66	158.0	461.8	2.26	11.9	2.66	109.9	1377.7	4.74	5.7	9.93	339.7	862.6	6.20	6.1
2	1.45	19.3	167.1	1.21	43.9	0.45	14.5	401.3	0.48	20.9	2.21	36.3	220.0	1.46	31.2
3	7.72	192.0	534.5	1.18	10.3	2.54	101.2	1642.9	3.22	4.9	9.15	275.3	951.8	2.42	6.3
4	2.80	63.8	351.0	1.83	19.3	1.00	35.5	976.3	3.05	8.6	5.12	160.2	608.6	3.20	10.0
5	2.19	52.4	304.0	2.47	22.6	0.83	25.6	769.3	3.95	10.9	4.33	146.7	539.0	4.80	11.3
6	0.94	20.8	106.0	0.77	62.7	0.35	4.5	254.4	0.55	33.8	1.38	19.1	172.0	1.13	43.0
7	2.65	119.9	303.5	1.91	17.7	1.31	100.8	1028.6	4.39	7.5	5.81	217.6	709.0	6.82	8.3
8	1.16	33.2	139.3	1.22	45.5	0.60	3.3	280.5	0.97	30.9	1.28	20.2	207.1	2.14	36.6
9	1.98	67.3	290.0	2.16	22.1	1.56	121.3	702.9	1.97	9.9	4.43	149.2	565.5	5.06	10.9
10	1.16	28.9	120.3	0.87	52.4	0.28	3.6	272.3	0.70	31.8	2.43	23.3	181.6	1.32	39.3
11	3.29	133.2	341.9	1.48	15.8	2.90	201.7	898.2	3.24	7.2	6.53	253.0	692.3	5.66	8.0
12	1.21	31.5	128.6	0.92	48.8	0.76	3.6	279.2	0.74	30.9	2.68	25.7	196.0	1.49	36.2
13	3.93	132.3	364.9	1.67	15.2	1.90	133.9	1004.3	3.66	7.3	6.30	233.2	720.6	6.57	8.0
14	1.00	29.5	117.0	0.75	53.3	0.25	2.6	266.0	0.79	32.8	1.81	21.6	173.9	1.33	41.5
15	1.29	14.5	110.4	0.53	64.6	0.16	6.3	325.2	0.52	26.4	1.98	14.7	180.1	1.37	42.4
16	3.19	59.5	274.1	0.24	23.5	1.24	49.7	708.9	0.52	11.2	4.93	87.1	406.6	0.94	15.9
17	4.25	122.7	378.6	1.64	15.2	1.21	59.1	1067.8	4.30	7.6	6.72	239.3	699.4	5.07	8.1
18	1.05	24.5	102.9	0.51	61.1	0.29	4.6	269.2	0.49	32.0	1.98	24.7	168.6	0.88	41.5
19	3.13	94.9	362.3	1.59	17.9	1.09	58.0	1028.3	4.44	7.9	6.02	197.7	689.3	6.06	8.7
20	1.24	28.5	120.0	0.60	52.6	0.24	6.9	312.1	0.52	27.4	2.93	31.3	179.2	0.85	37.3
21	5.55	237.4	318.0	0.73	12.5	3.72	252.9	1054.0	3.28	6.1	6.90	269.6	758.2	6.85	7.4
22	1.67	34.9	126.1	0.74	47.7	0.37	3.6	287.1	0.72	30.2	3.05	26.4	191.9	1.51	36.5
23	6.03	149.5	421.4	1.62	13.1	1.22	49.0	1236.0	4.43	6.7	6.89	168.8	831.7	6.24	7.9
24	2.33	79.0	309.9	1.99	20.1	1.47	103.8	795.4	2.97	9.2	4.96	193.2	592.2	4.91	9.7
25	1.03	30.2	118.9	0.86	52.3	0.44	2.6	261.8	0.75	33.2	1.39	21.9	181.1	1.58	40.6
26	1.88	23.7	146.4	0.68	47.3	0.28	9.1	432.4	0.61	19.8	6.29	88.6	1091.3	6.65	7.1
27	3.00	101.0	341.4	1.73	17.4	1.31	91.3	901.5	3.53	8.5	4.92	174.6	652.9	7.22	9.4
28	1.78	34.4	128.4	0.75	47.2	0.29	5.0	295.3	0.74	29.2	3.12	31.4	188.0	1.29	35.9
29	5.27	139.9	390.6	1.45	14.2	0.97	39.5	1143.8	3.65	7.3	6.29	137.9	731.9	5.13	9.2
30	2.68	108.6	319.4	1.78	17.8	0.59	41.9	939.1	5.12	8.8	5.69	240.5	670.1	5.75	8.3
31	1.09	32.8	120.5	0.84	50.5	0.67	2.6	254.7	0.76	34.0	1.30	18.2	169.9	1.69	43.8
32	1.83	23.9	139.2	0.62	48.6	0.28	10.3	400.1	0.44	21.3	2.61	23.7	226.2	1.53	32.7
BAG ACT.	2.55	71.9	237.3	1.19	24.8	0.84	42.6	617.7	2.12	12.9	3.77	100.8	426.1	3.46	14.9
CALC.	2.58	72.8	231.7	1.22	25.1	0.81	42.4	606.1	2.14	13.1	3.89	101.6	431.7	3.68	14.7
33	0.28	7.7	30.1	0.01	206.0	0.28	9.6	87.8	0.07	85.5	0.61	20.8	39.3	0.04	119.9
34	3.12	64.2	479.9	0.29	15.0	3.50	117.2	1043.3	0.75	7.2	7.17	221.5	507.0	0.54	10.1
35	0.51	4.0	468.1	0.58	18.6	0.85	36.7	829.5	0.72	10.0	3.87	96.6	288.9	0.38	19.6
36	1.39	15.5	262.6	0.83	30.5	0.75	30.8	532.3	0.50	15.2	2.54	51.5	268.7	0.89	24.8
37	0.26	3.3	229.9	0.69	37.6	0.85	20.7	344.3	0.72	23.4	1.76	16.3	290.8	3.01	27.6
38	1.13	24.7	196.0	1.73	37.2	0.95	16.1	353.7	2.57	23.2	1.74	21.9	331.0	2.56	23.9
39	1.47	50.8	230.6	1.96	28.2	0.57	12.3	456.4	3.25	16.6	2.29	50.8	391.2	4.38	18.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX B,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	031	1976	FORD	PINT	140	032	1976	FORD	LTD	400	033	1976	FORD	ELIT	351
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	5.43	20.2	646.5	3.01	12.6	11.36	580.8	1029.4	0.88	4.5	2.08	95.7	1298.9	2.90	6.1
2	0.51	0.0	210.0	0.30	41.8	0.21	0.0	512.9	0.99	17.3	0.28	0.0	310.6	0.53	23.9
3	0.56	9.0	878.3	3.09	10.1	0.56	53.0	1456.3	3.42	5.8	0.68	13.6	1260.1	2.94	6.9
4	0.67	5.6	468.6	2.74	18.4	0.67	105.8	823.6	0.74	8.9	0.85	14.9	815.1	3.10	10.6
5	0.86	4.4	413.2	3.69	21.0	2.18	232.5	606.6	0.47	9.1	1.10	71.4	716.9	1.87	10.7
6	0.11	0.0	145.0	0.73	61.1	0.09	0.0	315.7	0.34	28.1	0.30	0.0	267.3	0.60	33.1
7	0.23	2.1	455.9	3.75	19.3	4.88	424.4	675.3	1.06	6.5	2.93	360.6	838.5	2.44	7.1
8	0.04	0.0	174.5	1.53	50.8	0.27	0.0	335.2	0.39	25.6	0.29	0.0	317.5	1.10	27.9
9	0.13	1.3	444.3	4.25	19.9	2.44	264.3	594.7	0.62	8.7	1.39	154.2	727.9	1.57	9.1
10	0.04	0.0	146.4	1.18	60.6	0.14	3.2	323.5	0.42	27.0	0.30	0.0	274.4	0.86	32.2
11	2.43	12.7	527.6	3.88	16.0	5.73	480.3	720.3	0.68	5.9	2.78	276.0	870.8	1.41	6.8
12	0.18	0.0	152.6	1.31	57.9	0.24	5.1	364.0	0.39	23.8	0.29	0.0	290.8	0.82	30.4
13	2.49	14.8	562.0	3.99	15.0	5.22	458.8	773.8	0.73	5.9	2.92	274.0	910.1	1.44	6.6
14	0.16	0.0	146.3	1.21	60.5	0.20	5.6	312.0	0.30	27.6	0.21	0.0	276.9	0.85	32.0
15	0.13	0.0	144.3	0.57	61.3	0.12	0.0	367.2	0.36	24.1	0.10	0.0	307.1	0.62	28.9
16	0.22	0.0	374.6	0.42	23.6	0.36	0.0	1039.3	1.50	8.5	0.12	0.0	653.1	0.69	13.6
17	2.49	19.2	561.7	3.82	14.8	6.71	475.6	807.3	0.51	5.6	2.43	204.2	958.6	1.46	6.9
18	0.23	0.0	134.2	0.60	65.8	0.16	0.0	334.9	0.35	26.5	0.24	0.0	270.7	0.49	32.7
19	1.29	8.7	523.5	4.14	16.4	3.85	382.8	744.1	0.64	6.5	2.33	211.0	826.7	1.59	7.6
20	0.25	0.0	156.1	0.63	56.6	0.17	0.0	397.4	0.50	22.3	0.25	0.0	328.3	0.52	27.0
21	4.31	8.1	526.2	3.87	16.1	8.40	580.0	895.2	1.05	4.8	4.53	438.5	958.9	1.85	5.3
22	0.28	0.0	157.6	1.12	56.0	0.26	5.1	363.5	0.41	23.8	0.27	0.0	304.5	0.79	29.1
23	1.90	9.4	653.3	3.81	13.2	2.30	280.9	909.4	1.34	6.2	0.86	34.7	1118.8	2.87	7.5
24	0.47	4.3	469.4	4.77	18.6	3.28	296.9	616.2	0.32	8.1	2.06	220.3	698.2	1.19	8.4
25	0.08	0.0	149.0	1.38	59.5	0.23	7.4	324.0	0.30	26.4	0.18	0.0	283.3	0.84	31.3
26	0.12	0.0	193.1	0.57	45.9	0.13	0.0	517.7	0.51	17.1	0.15	0.0	383.8	0.71	23.1
27	1.16	8.9	523.2	4.22	16.4	6.62	407.9	675.7	0.51	6.6	2.35	207.0	820.2	1.25	7.7
28	0.11	0.0	161.5	1.19	54.8	0.21	2.6	362.0	0.44	24.2	0.20	0.0	317.3	0.74	27.9
29	1.43	12.6	577.2	2.87	14.8	1.26	160.8	920.1	1.08	7.1	0.56	5.6	972.1	4.25	9.0
30	0.77	2.5	472.7	5.51	18.5	4.50	371.8	642.8	0.68	7.2	3.21	302.7	736.0	1.02	7.3
31	0.09	0.0	151.9	1.46	58.3	0.28	7.5	320.3	0.20	26.0	0.25	0.0	279.5	0.78	31.7
32	0.11	0.0	183.1	0.50	48.4	0.17	0.0	504.8	0.58	17.6	0.10	0.0	371.5	0.54	23.9
BAG ACT.	0.64	5.1	346.0	2.26	24.8	1.98	153.5	951.9	0.57	11.1	0.99	77.4	580.5	1.29	12.6
CALC.	0.69	4.5	336.6	2.38	25.7	2.08	155.3	946.5	0.59	11.1	1.03	79.7	575.3	1.33	12.6
33	0.02	0.0	43.1	0.02	205.7	0.53	14.3	107.9	0.22	67.2	0.06	0.0	79.9	0.05	110.8
34	0.26	0.0	527.3	0.21	16.8	8.96	146.4	1289.6	3.12	5.7	1.34	0.0	964.0	0.46	9.2
35	0.14	0.0	554.2	0.50	16.0	1.46	20.0	711.5	1.42	11.9	0.70	0.0	522.9	0.27	16.9
36	0.10	0.0	323.8	0.29	27.4	0.93	13.2	470.8	0.66	18.0	0.40	0.0	398.3	0.26	22.2
37	0.10	0.1	279.8	0.71	31.7	0.24	0.0	369.7	0.57	24.0	0.26	0.0	393.5	1.20	22.5
38	0.10	0.1	243.6	1.93	36.4	0.19	0.0	416.0	0.94	21.3	0.23	0.1	445.1	1.61	19.9
39	0.11	0.1	302.6	3.70	29.3	0.10	4.9	540.5	0.97	16.2	0.17	0.8	579.0	2.47	15.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	034	1976	FORD	GRAN	250	035	1976	FORD	GRAN	302	036	1976	FORD	STAW	351
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	4.89	345.3	958.5	1.88	5.8	3.34	96.0	1034.9	3.84	7.4	6.73	353.7	1180.9	2.08	5.0
2	0.26	0.0	314.9	0.72	28.1	0.37	0.0	324.6	0.93	27.2	0.40	0.0	407.0	0.36	21.7
3	0.54	0.0	998.1	3.93	8.9	1.01	1.5	1093.0	3.70	8.1	0.82	0.0	1864.9	2.66	6.0
4	0.99	134.3	861.0	0.72	10.1	0.88	1.2	693.1	2.37	12.7	0.51	0.0	896.9	3.02	9.9
5	0.75	86.7	637.0	0.94	11.4	1.43	76.5	573.5	1.42	12.7	0.98	89.1	732.7	1.53	10.1
6	0.09	0.0	246.0	0.22	36.0	0.32	0.0	242.8	0.51	36.4	0.14	0.0	260.4	0.36	34.0
7	1.15	152.1	700.1	1.74	9.4	3.02	189.3	690.2	2.31	8.9	3.15	302.2	897.2	2.32	6.4
8	0.14	0.0	307.4	0.71	28.8	0.41	0.3	280.0	0.82	31.5	0.20	0.0	282.1	0.71	31.4
9	0.54	59.3	654.3	1.57	11.8	1.37	92.2	576.7	1.58	12.2	1.44	165.3	705.4	1.53	9.2
10	0.10	0.0	256.5	0.52	34.6	0.34	0.0	242.4	0.58	36.5	0.16	0.0	260.3	0.47	34.0
11	1.53	181.9	835.4	2.18	7.9	2.26	168.8	699.5	1.70	9.1	4.10	382.9	883.1	1.54	5.9
12	0.14	0.0	275.3	0.57	32.2	0.39	0.0	263.5	0.67	33.5	0.28	0.0	288.7	0.55	30.6
13	1.09	112.9	876.9	2.81	8.4	1.99	132.1	802.0	2.43	8.7	3.85	361.4	925.2	1.16	5.9
14	0.11	0.0	264.3	0.54	33.5	0.31	0.0	247.6	0.62	35.7	0.19	0.0	254.2	0.49	34.8
15	0.14	0.0	247.2	1.15	35.8	0.21	0.0	267.2	1.21	33.1	0.16	0.0	306.3	0.31	28.9
16	0.31	0.0	537.9	1.29	16.5	0.41	0.0	580.1	1.21	15.3	0.38	0.0	804.4	0.26	11.0
17	1.11	171.0	861.8	1.49	7.8	1.79	92.7	856.7	2.11	8.8	3.49	260.7	998.4	1.19	6.3
18	0.11	0.0	255.6	0.20	34.7	0.28	0.0	246.9	0.42	35.8	0.17	0.0	278.0	0.26	31.9
19	1.11	143.6	727.3	1.46	9.3	1.69	107.5	746.2	1.39	9.6	2.33	250.2	957.8	1.49	6.5
20	0.15	0.0	271.0	0.23	32.7	0.35	0.0	275.3	0.40	32.1	0.18	0.0	317.6	0.34	27.9
21	2.07	246.2	835.8	2.43	7.2	3.58	257.5	820.2	2.16	7.1	5.23	473.7	1046.4	1.77	4.9
22	0.17	0.0	277.7	0.61	31.9	0.39	0.0	265.9	0.67	33.2	0.26	0.0	289.7	0.44	30.5
23	0.74	68.6	975.3	1.95	8.2	1.28	14.2	980.8	3.54	8.8	0.92	56.8	1240.5	2.24	6.7
24	1.10	104.0	660.4	1.81	10.7	1.64	130.2	586.2	1.19	11.1	2.13	205.0	738.6	1.30	8.3
25	0.12	0.0	254.7	0.47	34.8	0.34	0.0	240.5	0.60	36.7	0.17	0.0	251.1	0.48	35.3
26	0.18	0.0	344.6	1.47	25.7	0.31	0.0	352.0	1.00	25.1	0.19	0.0	427.3	0.40	20.7
27	0.96	99.9	793.5	2.15	9.3	1.76	111.6	708.3	1.85	10.0	2.90	277.6	824.7	1.13	7.0
28	0.12	0.0	277.7	0.50	31.9	0.31	0.0	269.9	0.63	32.8	0.20	0.0	295.2	0.46	30.0
29	0.47	11.4	881.0	1.87	9.9	0.99	1.6	881.4	2.57	10.0	0.50	0.0	1108.9	3.00	8.0
30	1.64	171.5	652.7	1.49	9.6	2.02	167.8	617.2	1.51	10.0	2.98	283.6	796.4	1.62	7.1
31	0.15	0.0	261.4	0.57	33.9	0.38	0.0	252.1	0.59	35.0	0.22	0.0	270.3	0.59	32.6
32	0.19	0.0	304.5	1.40	29.1	0.26	0.0	332.7	0.95	26.6	0.23	0.0	403.2	0.30	22.0
BAG ACT.	0.57	50.5	527.8	1.29	14.6	0.94	43.1	477.3	1.34	16.2	1.25	98.1	561.3	0.96	12.3
CALC.	0.58	51.7	523.3	1.35	14.6	0.99	45.8	484.5	1.38	15.9	1.30	99.4	564.3	0.99	12.2
33	0.06	0.5	68.2	0.29	128.3	0.21	2.1	66.0	0.08	127.0	1.30	28.8	53.3	0.01	86.4
34	5.24	67.3	737.1	2.42	10.3	5.76	35.5	744.5	0.78	10.8	14.34	328.4	644.4	0.17	7.4
35	2.70	34.7	366.0	1.06	20.7	1.14	9.0	570.6	0.85	19.3	5.26	127.5	408.5	0.21	12.6
36	1.74	17.5	262.7	0.98	30.0	0.60	1.6	382.2	0.69	23.0	2.87	72.8	365.3	0.16	18.2
37	0.25	0.0	337.9	1.22	26.2	0.41	0.0	326.4	1.18	27.1	0.31	0.0	383.8	0.44	23.1
38	0.18	0.0	413.6	0.47	21.4	0.41	0.3	375.9	1.07	23.5	0.45	7.0	315.6	0.75	27.1
39	0.19	0.0	522.8	2.27	17.0	0.40	1.8	480.9	2.06	18.3	0.18	0.0	487.5	1.92	18.2

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	037	1976	MERC	COUG	400	038	1976	MERC	COMB	250	039	1976	OLDS	CUTL	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	4.69	319.1	1189.4	1.16	5.2	0.77	8.5	942.0	2.27	9.3	7.98	164.9	919.3	2.58	7.4
2	0.29	0.0	433.7	0.24	20.4	0.23	0.0	356.9	1.26	24.8	1.41	5.2	319.0	1.13	26.8
3	0.82	32.2	1521.5	1.04	5.6	0.46	0.0	877.8	3.70	10.1	10.58	180.4	953.9	0.81	7.0
4	0.55	33.6	894.1	1.34	9.4	0.45	0.0	617.5	1.12	14.3	4.96	82.3	613.2	0.89	11.7
5	0.93	98.1	707.5	0.98	10.3	0.42	16.0	600.4	0.74	14.2	2.45	43.3	582.7	2.75	13.5
6	0.25	0.0	291.2	0.30	30.4	0.09	0.0	274.3	0.20	32.3	1.46	10.4	221.8	0.37	36.6
7	2.97	336.7	786.2	1.22	6.7	1.04	146.8	673.9	1.20	9.8	6.17	296.4	663.7	1.77	7.7
8	0.28	0.0	326.9	0.51	27.1	0.14	0.0	327.3	0.65	27.1	1.76	26.5	257.8	0.95	29.1
9	1.66	199.1	648.0	0.89	9.2	0.39	30.5	633.5	0.71	13.0	3.78	113.4	552.1	1.91	12.0
10	0.26	0.0	300.7	0.41	29.4	0.09	0.0	276.1	0.45	32.1	2.50	19.5	226.1	0.65	33.5
11	4.04	417.0	739.3	0.58	6.3	0.64	62.5	797.7	1.30	9.9	5.29	163.9	723.3	3.08	8.9
12	0.36	0.0	323.2	0.45	27.4	0.07	0.0	315.6	0.54	28.1	2.57	22.0	256.3	0.82	29.7
13	4.03	396.8	800.0	0.66	6.2	0.56	49.7	861.0	1.87	9.4	4.97	119.0	798.0	4.21	8.9
14	0.25	0.0	296.9	0.37	29.8	0.06	0.0	285.5	0.46	31.1	1.84	17.8	227.2	0.73	34.0
15	0.16	0.0	337.3	0.18	26.3	0.09	0.0	287.1	1.14	30.9	1.11	1.9	250.3	0.99	34.6
16	0.35	0.0	843.4	0.31	10.5	0.24	0.0	599.1	1.19	14.8	6.08	67.5	507.1	0.00	14.0
17	3.19	290.6	886.2	0.77	6.6	0.54	22.5	852.2	1.19	10.0	5.27	100.3	807.2	3.15	9.0
18	0.31	0.0	309.6	0.25	28.6	0.07	0.0	267.9	0.18	33.1	1.80	12.6	220.3	0.23	36.1
19	2.05	237.2	828.2	0.79	7.4	0.52	50.0	706.6	0.93	11.3	4.47	69.5	730.1	3.07	10.4
20	0.35	0.0	343.8	0.28	25.7	0.10	0.0	312.2	0.22	28.4	2.37	12.4	261.3	0.26	30.8
21	5.04	516.4	891.8	0.80	5.2	1.76	210.9	813.2	1.46	7.7	7.72	330.1	772.1	2.01	6.7
22	0.31	0.0	331.3	0.41	26.7	0.11	0.0	302.6	0.48	29.3	2.87	22.0	253.3	0.72	29.9
23	0.80	54.7	1199.8	1.59	6.9	0.33	0.0	858.5	1.89	10.3	6.46	107.4	850.2	2.22	8.5
24	2.60	267.5	661.9	0.63	8.1	0.58	53.2	650.4	1.02	12.1	3.81	128.9	586.9	2.23	11.1
25	0.26	0.0	297.8	0.38	29.7	0.07	0.0	286.4	0.50	31.0	1.68	20.5	232.6	0.78	32.9
26	0.23	0.0	471.9	0.26	18.8	0.13	0.0	402.3	1.75	22.0	1.71	2.7	340.8	1.12	25.3
27	3.44	317.8	721.4	0.58	7.2	0.42	23.8	792.2	1.12	10.7	4.42	98.7	709.1	3.16	10.1
28	0.26	0.0	335.6	0.36	26.4	0.06	0.0	305.3	0.47	29.1	2.72	22.0	254.6	0.72	29.8
29	0.57	27.4	1108.2	1.36	7.7	0.28	0.0	778.0	1.75	11.4	5.99	102.1	737.7	1.52	9.7
30	3.26	342.7	700.0	0.65	7.1	1.06	114.9	647.0	1.09	10.7	4.81	195.6	593.3	1.70	9.7
31	0.28	0.0	299.6	0.38	29.5	0.10	0.0	303.4	0.56	29.2	1.70	26.4	233.6	0.77	31.6
32	0.22	0.0	446.5	0.22	19.8	0.15	0.0	371.0	1.28	23.9	1.76	5.3	313.8	0.90	27.1
BAG ACT.	1.33	115.4	552.6	0.59	12.0	0.33	26.5	529.7	0.96	15.5	3.53	78.4	458.4	1.54	15.0
CALC.	1.42	116.4	555.6	0.60	11.9	0.35	26.3	520.8	0.97	15.8	3.63	79.5	460.5	1.53	14.9
33	0.86	24.8	64.3	0.03	83.7	0.65	9.0	60.9	0.27	115.2	0.84	10.7	60.3	0.03	111.3
34	11.55	295.1	755.8	0.36	7.1	8.66	112.2	725.8	2.75	9.5	10.05	114.3	744.1	0.33	9.3
35	5.84	138.8	393.7	0.17	14.1	4.46	40.6	447.1	0.92	16.9	5.02	42.0	495.1	0.25	15.4
36	3.23	90.6	301.4	0.16	19.6	1.57	12.1	323.0	0.89	25.6	3.45	31.1	331.9	0.22	22.7
37	0.23	0.0	416.6	0.29	21.2	0.41	0.0	336.9	2.22	26.2	0.82	0.9	311.4	1.63	28.1
38	0.22	0.6	453.1	0.71	19.5	0.27	0.0	378.4	0.47	23.4	1.44	9.1	366.9	0.76	23.0
39	0.20	2.0	559.8	1.38	15.7	0.18	0.0	490.5	1.87	18.1	2.18	37.9	434.0	2.22	17.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

MODE NO.	VEH 040	YEAR 1976	MAKE OLDS	MODL STAW	CID 350	VEH 041	YEAR 1976	MAKE OLDS	MODL TORO	CID 455	VEH 042	YEAR 1976	MAKE PLYM	MODL VOLA	CID 225
	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	4.28	169.7	1097.8	3.91	6.4	6.07	379.6	1192.2	2.13	5.9	22.00	359.7	663.0	1.95	6.8
2	0.37	0.0	292.9	0.37	30.2	2.47	45.3	333.5	0.33	20.0	3.76	63.0	165.7	0.20	32.1
3	5.10	122.5	1103.5	1.76	6.4	9.47	298.3	1189.7	0.75	5.3	24.33	442.2	580.9	0.64	6.6
4	2.71	77.6	705.2	1.98	9.7	5.03	225.7	604.2	1.01	7.6	6.76	201.2	448.8	0.96	11.3
5	1.68	85.2	639.0	2.09	11.4	3.28	141.4	753.3	1.71	9.0	4.08	125.8	423.5	1.85	14.0
6	0.18	0.0	220.4	0.55	40.2	1.26	32.4	265.1	0.54	27.7	1.50	26.4	132.1	0.39	49.8
7	4.68	406.6	722.3	1.44	6.5	5.66	389.8	811.2	2.13	6.2	5.36	177.8	594.7	5.32	10.0
8	0.95	23.0	238.6	0.77	32.0	1.59	45.3	304.5	1.09	23.3	1.58	29.4	173.3	1.21	39.5
9	2.59	225.1	578.1	1.50	9.4	3.34	144.5	771.8	3.05	8.8	3.47	90.6	476.2	4.50	14.1
10	0.74	11.6	222.5	0.54	36.5	2.01	38.2	273.4	0.79	26.1	3.12	26.0	155.7	0.77	43.0
11	4.68	369.1	672.1	1.37	7.0	5.39	317.4	910.2	2.96	6.2	8.92	215.5	980.3	3.27	9.9
12	0.99	13.2	237.0	0.63	34.0	2.14	46.4	306.7	1.04	23.0	3.04	23.2	158.6	1.02	43.3
13	4.18	317.9	747.2	1.90	7.0	5.42	295.4	970.4	3.21	6.1	6.22	184.6	506.4	4.76	9.9
14	0.78	12.1	209.9	0.59	38.3	1.61	42.6	272.6	0.88	25.8	1.85	21.9	155.2	0.93	45.5
15	0.23	0.0	246.1	0.58	36.0	2.23	55.3	272.1	0.39	24.2	2.76	31.7	141.1	0.35	48.4
16	3.54	82.5	509.0	0.39	13.7	6.63	195.3	576.4	0.35	9.8	11.17	200.3	226.1	0.00	15.4
17	3.77	189.2	640.7	3.09	7.7	5.40	260.5	1028.1	2.86	6.1	8.48	238.1	548.9	2.17	9.3
18	0.29	0.0	217.0	0.36	40.7	1.55	38.6	262.6	0.50	27.0	1.78	28.1	142.5	0.37	46.2
19	3.14	152.6	810.0	2.67	8.4	5.01	236.1	904.7	2.50	6.9	6.48	183.0	585.2	2.66	10.4
20	1.06	5.0	255.4	0.41	33.3	2.24	40.2	292.7	0.61	24.5	3.67	43.5	144.4	0.23	39.6
21	6.33	508.1	785.0	1.40	5.5	7.81	555.3	930.6	1.77	4.9	7.80	271.7	638.6	3.91	8.1
22	0.88	12.4	236.7	0.51	34.3	2.64	44.2	293.7	0.78	23.9	4.07	23.9	168.9	0.92	40.5
23	3.45	135.3	977.3	2.97	7.4	7.11	302.4	1078.9	1.80	5.6	10.52	224.8	610.0	2.00	8.8
24	3.19	263.6	589.8	1.27	8.8	3.56	172.5	786.5	2.79	8.3	4.35	150.8	459.1	2.71	12.5
25	0.80	14.6	211.3	0.58	37.5	1.41	40.8	266.1	0.89	26.5	1.34	22.3	151.1	0.94	46.6
26	0.38	0.0	332.3	0.88	26.6	3.27	77.1	361.5	0.40	18.0	3.76	35.3	185.9	0.51	35.0
27	3.32	192.8	725.8	2.56	8.5	4.31	209.3	892.9	3.08	7.2	5.53	151.6	532.0	3.78	11.3
28	0.99	11.7	243.5	0.52	33.5	2.53	44.9	299.2	0.83	23.5	5.04	20.9	168.9	0.80	38.5
29	3.48	114.6	868.4	2.36	8.4	6.43	291.2	989.7	1.29	6.2	10.61	224.4	581.2	1.20	9.6
30	3.48	292.4	635.4	1.32	8.0	4.16	244.9	808.5	2.62	7.4	5.18	209.5	503.1	2.36	10.5
31	0.99	22.2	209.0	0.61	35.9	1.84	56.9	282.7	1.05	26.6	1.47	31.6	151.7	0.72	45.4
32	0.55	3.0	287.6	0.54	30.2	2.97	86.9	331.3	0.30	18.6	3.89	34.4	189.0	0.50	34.7
BAG ACT.	2.09	112.1	481.5	1.19	13.4	3.42	144.4	563.3	1.48	11.1	5.14	98.0	347.6	1.85	17.1
CALC.	2.11	111.6	473.5	1.25	13.5	3.57	144.7	569.8	1.55	11.0	5.29	99.6	337.1	1.92	17.4
33	0.36	4.4	67.4	0.05	117.8	0.64	14.6	74.1	0.04	89.5	2.11	28.8	24.0	0.01	116.7
34	3.44	18.1	833.9	0.18	10.2	6.97	99.3	942.6	0.41	7.9	19.06	331.2	307.9	0.12	10.0
35	0.22	0.0	571.4	0.38	15.5	3.41	41.4	517.2	0.24	15.0	6.30	160.6	307.3	0.30	15.0
36	0.24	0.0	370.3	0.27	23.9	2.36	27.0	485.1	0.47	16.6	3.60	110.4	211.7	0.23	22.3
37	0.12	0.0	342.9	0.39	25.9	1.22	11.1	418.4	0.62	20.2	1.78	26.2	237.6	1.65	31.2
38	0.08	0.0	384.1	1.05	23.1	0.66	28.5	455.5	0.77	17.7	1.72	26.9	283.0	1.32	26.8
39	1.50	54.3	428.4	1.34	17.1	1.90	67.0	544.5	2.24	13.5	2.13	57.6	334.0	2.42	20.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	043	1976	PLYM	FURI	318	044	1976	PONT	LEMA	350	045	1976	PONT	STAW	400
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	11.33	286.7	754.9	2.58	7.1	8.86	269.0	898.0	3.67	6.6	8.70	330.2	1104.0	2.21	5.4
2	3.17	58.2	271.2	0.63	23.8	4.02	89.4	216.8	0.18	24.0	2.81	35.1	342.4	0.73	21.8
3	11.43	287.4	850.0	1.42	6.6	12.47	348.9	902.6	1.02	6.0	8.81	134.2	1284.3	3.69	5.8
4	3.63	96.4	583.8	2.69	11.9	6.68	202.5	571.3	1.87	9.7	5.78	178.5	772.2	1.77	8.3
5	2.65	72.2	486.2	2.80	14.6	4.39	140.1	489.0	2.52	12.3	4.29	145.8	631.8	2.08	10.1
6	0.48	0.0	210.1	1.18	41.9	2.02	49.7	151.4	0.63	37.6	1.68	29.4	207.4	0.47	34.3
7	4.97	236.7	565.2	2.09	9.3	4.66	134.6	698.7	6.92	9.6	6.91	350.4	726.2	2.03	6.8
8	0.62	0.2	247.8	2.16	35.5	1.89	45.5	179.2	1.88	34.6	1.75	34.8	224.8	1.24	31.1
9	1.75	29.4	570.9	5.18	14.3	3.67	93.3	581.3	5.66	12.7	3.98	159.7	625.7	2.22	10.0
10	2.07	2.7	221.3	1.61	38.2	3.16	44.6	165.3	1.18	36.2	1.81	24.7	229.4	0.87	32.4
11	6.00	212.1	551.2	2.48	9.8	4.91	152.8	690.2	5.77	9.4	6.09	284.8	767.3	2.03	7.2
12	1.67	1.8	249.6	2.02	34.4	4.03	49.4	174.1	1.30	33.6	2.71	35.9	236.0	0.92	29.5
13	6.32	198.3	613.9	3.45	9.4	5.39	169.2	714.5	5.54	8.9	6.61	305.9	793.1	1.93	6.9
14	0.77	1.3	218.6	1.75	39.8	2.67	45.2	167.3	1.37	36.0	2.05	34.1	219.0	0.92	31.8
15	2.18	33.6	211.6	0.56	32.7	2.86	60.6	172.0	0.23	32.1	2.06	31.6	242.8	0.67	29.7
16	5.09	124.6	526.7	0.41	12.0	7.67	140.3	437.8	0.20	13.0	5.74	72.1	688.7	0.30	10.8
17	8.46	242.8	571.9	1.99	9.1	6.02	188.2	717.2	4.17	8.6	7.06	311.6	810.0	1.47	6.7
18	0.87	1.1	212.7	1.05	40.9	2.80	57.6	153.9	0.49	35.0	2.04	27.2	224.6	0.47	32.4
19	4.52	185.9	558.0	2.03	10.3	5.55	148.3	686.8	5.03	9.4	6.26	258.9	799.6	1.87	7.2
20	1.63	4.4	259.1	1.27	32.7	3.82	67.6	181.5	0.53	29.6	2.47	26.6	266.6	0.49	28.1
21	8.90	282.4	561.4	1.83	8.6	5.81	184.7	830.3	7.45	7.8	7.39	351.6	892.4	2.58	6.0
22	2.96	3.2	244.0	1.69	34.4	4.11	54.6	184.2	1.30	31.4	2.48	33.7	245.1	0.82	29.0
23	7.51	218.4	688.7	2.41	8.4	7.80	209.4	788.4	3.75	7.8	7.70	282.3	957.3	1.84	6.2
24	2.86	72.2	554.7	4.37	13.1	4.14	123.1	574.5	4.81	11.4	5.00	218.0	639.8	1.72	8.9
25	0.45	0.0	222.8	1.94	39.6	2.39	45.8	173.7	1.63	35.1	2.06	33.8	208.2	0.86	33.1
26	3.07	47.2	298.6	0.81	23.2	4.01	82.2	244.1	0.34	23.0	3.12	50.3	349.1	0.76	20.3
27	3.83	119.5	594.2	4.51	11.2	4.97	161.1	631.8	4.42	9.9	6.10	280.2	699.4	1.44	7.7
28	2.94	6.7	243.9	1.57	33.6	3.59	53.2	191.9	1.34	30.9	2.44	34.4	251.8	0.77	28.3
29	6.54	173.2	624.3	2.54	9.7	7.58	235.0	687.0	2.13	8.2	7.96	227.1	857.9	1.89	7.2
30	4.15	160.7	528.7	2.24	10.7	4.36	126.8	633.9	6.16	10.5	5.77	260.9	698.9	1.98	7.9
31	0.52	0.0	222.7	2.11	39.6	2.26	46.4	173.1	1.61	35.1	2.14	36.4	208.0	0.96	32.6
32	2.95	47.5	280.9	0.74	24.3	3.96	72.0	230.4	0.33	24.9	3.04	44.6	335.0	0.74	21.4
BAG ACT.	3.65	70.2	418.2	2.49	16.4	4.21	109.2	409.2	2.81	14.9	3.89	132.6	477.9	1.36	12.7
CALC.	3.55	71.1	413.6	2.64	16.5	4.24	108.1	401.9	2.77	15.2	3.94	133.1	475.1	1.39	12.7
33	0.84	19.6	57.9	0.05	97.2	0.99	23.9	50.1	0.04	97.8	0.65	6.2	88.9	0.06	88.1
34	9.06	237.5	643.8	0.49	8.5	14.80	331.0	566.1	0.18	7.8	7.85	45.8	1094.7	0.71	7.4
35	4.36	128.9	655.3	0.57	10.2	8.11	178.8	290.6	0.10	14.9	0.75	0.6	619.2	0.16	14.3
36	2.96	89.8	398.4	0.34	16.2	5.97	151.7	232.3	0.11	18.1	0.19	0.0	418.4	0.35	21.2
37	1.63	36.8	261.1	0.88	27.4	3.14	100.7	225.1	0.36	22.6	0.15	0.0	356.5	0.98	24.9
38	0.35	0.3	347.1	2.37	25.5	2.47	67.8	292.0	2.28	21.8	1.02	18.2	387.4	0.85	21.2
39	0.61	4.0	438.8	4.41	19.9	2.29	46.4	404.6	6.72	18.3	2.35	48.5	460.4	3.47	16.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	046	1976	DATS	B210	85	047	1976	DATS	STAW	119	048	1976	TOYO	STAW	97
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	3.52	66.7	492.4	4.75	14.6	4.62	138.1	556.2	2.83	11.3	3.62	59.2	571.6	3.11	13.1
2	0.75	10.3	201.4	0.73	40.3	0.83	9.4	208.8	0.59	39.3	1.16	7.5	215.1	0.14	38.5
3	3.29	62.2	633.0	1.68	12.0	4.66	76.2	738.0	1.82	10.2	2.22	38.7	689.9	0.89	11.7
4	1.68	28.8	396.2	2.30	19.9	2.30	56.6	458.2	2.36	16.0	1.10	21.4	433.4	2.15	18.9
5	1.63	27.3	331.2	3.76	23.4	2.17	49.0	383.8	3.35	19.0	1.34	22.2	346.4	4.13	23.0
6	0.59	3.0	121.1	1.74	69.5	0.79	8.6	143.2	1.21	55.7	0.28	10.0	157.5	0.68	51.0
7	1.64	31.4	279.5	3.93	26.6	3.24	98.5	346.2	2.61	17.4	0.62	39.7	369.1	1.72	20.5
8	0.77	6.7	133.9	2.60	60.4	1.21	16.2	170.2	2.64	44.5	0.22	6.8	195.4	1.88	42.9
9	1.79	40.9	308.0	4.84	23.5	2.89	81.4	358.9	3.71	17.9	0.48	21.2	375.9	3.08	21.6
10	0.53	3.6	127.4	1.68	65.9	1.56	11.7	149.9	1.71	51.2	0.81	4.8	153.1	1.37	54.4
11	2.00	50.5	336.7	4.35	21.0	4.19	132.0	401.1	2.68	14.3	2.39	83.2	426.7	1.44	15.7
12	0.65	4.2	133.9	1.71	62.2	1.76	12.2	154.6	1.93	49.5	1.16	4.9	169.7	1.66	49.0
13	2.52	65.3	368.2	4.41	18.5	4.55	136.4	426.4	3.03	13.5	2.99	85.1	460.6	1.68	14.7
14	0.56	4.0	119.3	1.72	69.7	1.37	12.5	152.1	1.90	50.4	0.86	4.5	157.7	1.46	53.6
15	0.76	5.0	146.1	1.12	56.8	1.36	12.3	131.2	0.53	57.3	0.64	3.0	160.5	0.07	53.1
16	1.00	16.6	402.2	0.57	20.6	2.00	20.1	370.3	0.42	21.7	1.15	5.2	413.7	0.00	20.9
17	2.80	68.0	403.5	4.59	17.1	4.36	119.7	448.3	3.44	13.7	2.66	34.6	496.4	2.71	15.9
18	0.59	2.7	127.4	1.42	66.4	0.97	8.6	142.6	1.03	55.7	0.67	5.8	149.4	0.67	55.3
19	2.34	50.0	401.3	4.50	18.2	3.39	88.6	444.0	3.13	14.9	1.02	16.1	469.5	2.80	17.8
20	0.68	3.5	153.3	1.55	55.2	1.59	8.0	152.6	1.03	52.1	0.87	4.5	165.5	0.59	50.6
21	2.36	60.9	351.0	4.01	19.5	4.56	132.6	406.0	2.83	14.1	3.05	61.3	448.3	1.49	16.0
22	0.63	5.9	133.0	1.52	61.5	1.95	12.2	154.4	1.80	49.4	1.36	3.3	166.3	1.27	50.5
23	3.39	62.3	494.9	4.06	14.7	4.25	101.7	548.0	3.12	12.3	2.40	30.3	534.2	3.17	15.1
24	1.68	35.2	325.3	4.17	23.0	3.08	96.8	375.2	2.96	16.5	0.76	31.8	397.3	2.71	19.7
25	0.55	3.3	112.9	1.72	74.1	1.22	12.4	148.5	1.96	51.6	0.43	5.0	170.2	1.77	49.5
26	1.09	7.2	195.9	1.53	42.1	1.82	16.0	175.5	0.62	43.0	0.66	4.3	224.4	0.15	38.1
27	2.42	64.1	352.4	3.93	19.3	3.60	88.7	418.3	4.52	15.6	0.98	30.8	454.3	2.87	17.5
28	0.55	3.8	139.8	1.64	60.2	2.00	11.4	157.6	1.83	46.8	1.08	4.5	165.4	1.46	50.4
29	2.94	49.0	462.7	3.31	16.2	3.61	77.1	504.2	2.84	13.9	1.64	24.6	515.3	2.57	15.9
30	1.51	40.9	335.9	4.52	21.9	3.23	96.4	382.2	3.07	16.3	0.80	40.2	401.8	2.78	19.0
31	0.62	3.4	121.7	2.14	68.8	1.12	13.5	151.0	2.12	50.5	0.45	4.5	168.2	1.75	50.2
32	1.00	8.8	187.9	1.26	43.3	1.80	12.1	168.0	0.70	46.0	0.73	3.3	196.5	0.09	43.5
BAG ACT.	1.33	29.9	247.2	3.05	29.7	2.56	50.2	294.3	2.65	23.3	1.12	25.6	309.6	1.90	25.1
CALC.	1.40	28.5	247.0	2.93	30.0	2.68	50.8	292.9	2.83	23.3	1.17	24.5	305.6	1.83	25.5
33	0.12	1.7	25.4	0.02	312.6	0.16	4.7	33.7	0.03	212.8	0.07	2.7	35.2	0.02	224.2
34	2.04	38.0	378.4	0.28	20.0	2.48	77.8	415.1	0.25	16.3	0.81	39.5	508.1	0.21	15.5
35	0.74	19.7	407.3	0.59	20.1	1.00	34.3	495.1	0.55	16.1	0.18	16.1	526.7	0.37	16.1
36	0.59	15.6	268.1	0.42	30.1	0.84	24.2	308.2	0.41	25.4	0.11	10.4	332.9	0.21	25.4
37	0.51	7.4	200.7	1.18	41.5	0.67	13.9	250.1	1.09	32.4	0.18	12.9	238.6	0.53	34.2
38	0.91	6.8	168.5	3.96	43.9	1.14	18.6	235.4	2.47	33.1	0.25	16.7	217.1	1.61	36.4
39	1.06	7.3	245.5	6.75	34.1	1.79	32.5	283.0	5.58	26.1	0.52	20.2	270.8	5.31	29.2

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	049	1976	TOYO	CELI	133	050	1976	VOLK	DASH	97	051	1976	VOLK	RABB	97
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	5.60	64.3	731.6	10.80	10.4	3.38	56.6	502.4	7.41	13.0	6.24	168.5	468.2	1.53	11.8
2	0.45	4.2	309.3	0.39	28.0	1.01	6.6	212.7	0.92	39.2	1.05	8.4	200.2	0.44	40.5
3	2.96	81.8	997.3	2.89	7.8	3.42	85.9	718.2	1.08	10.3	2.76	85.0	692.7	2.07	10.6
4	1.32	24.6	529.6	5.13	15.5	1.84	15.7	443.1	4.15	18.7	1.57	61.1	358.7	1.55	19.3
5	0.81	10.1	436.7	7.09	19.5	1.90	15.7	365.1	5.54	22.4	1.39	52.0	318.3	2.14	21.9
6	0.29	5.5	197.9	1.82	42.8	0.78	4.0	122.5	1.51	67.6	0.88	11.1	139.2	0.64	55.9
7	1.67	66.8	410.9	7.11	17.0	1.94	31.5	326.2	4.55	23.2	2.53	136.6	275.9	1.10	17.8
8	0.23	4.6	216.0	3.50	39.6	1.04	8.2	143.6	2.43	55.6	0.79	11.6	161.8	1.16	48.6
9	1.16	31.9	405.5	8.61	19.3	2.26	41.9	345.1	5.59	21.2	1.50	47.6	314.5	3.82	22.5
10	0.15	2.8	218.9	2.40	39.7	0.87	7.9	129.4	1.49	61.3	1.41	7.3	146.8	0.81	54.5
11	3.41	124.0	460.0	5.30	13.3	3.33	67.6	399.8	5.18	17.2	3.20	144.1	320.2	1.67	15.9
12	0.33	2.9	219.2	2.56	39.5	1.15	9.1	140.2	1.90	56.1	1.86	7.5	151.7	0.99	52.4
13	3.41	104.2	510.4	6.92	13.0	3.35	64.6	439.3	6.42	16.1	3.24	140.8	356.7	1.99	15.1
14	0.26	2.7	209.7	2.54	41.3	0.93	7.5	132.1	1.77	60.5	1.34	7.2	145.6	0.85	55.7
15	0.16	1.2	275.2	0.46	32.0	0.92	2.3	140.8	0.63	60.2	0.56	11.6	151.0	0.35	51.9
16	0.39	0.0	462.4	0.31	19.1	1.88	12.4	398.9	0.42	20.9	1.01	18.0	395.4	0.41	20.8
17	4.52	59.8	442.4	5.62	16.1	2.97	37.5	468.3	8.20	16.5	2.52	115.3	389.9	1.98	15.3
18	0.59	5.8	213.3	1.04	39.6	0.87	3.5	126.7	1.50	65.8	0.99	8.1	137.0	0.54	58.1
19	1.39	20.4	524.8	6.71	15.8	2.60	24.9	450.9	7.35	17.8	1.94	81.3	376.8	2.22	17.4
20	0.30	6.3	229.9	1.32	36.9	1.04	5.8	148.9	1.61	55.1	1.16	8.5	158.6	0.59	50.5
21	4.42	139.7	485.9	5.49	12.3	3.43	60.3	409.6	5.88	17.2	6.49	182.9	337.1	1.15	13.8
22	0.40	2.9	221.4	2.31	39.1	1.06	8.2	140.0	1.61	56.8	1.81	7.1	153.9	0.91	52.0
23	2.36	50.0	696.0	7.29	11.3	3.43	40.7	550.3	6.65	14.2	2.63	106.6	500.5	1.66	13.1
24	1.30	26.0	453.5	6.54	17.8	2.42	44.8	363.5	5.30	20.1	1.58	55.4	328.0	3.53	21.1
25	0.17	2.7	202.5	2.58	42.8	0.95	7.4	127.5	1.73	62.4	1.27	7.8	145.0	0.95	55.0
26	0.14	1.8	334.6	0.56	26.3	1.24	4.3	189.5	0.71	44.4	0.82	16.7	202.4	0.51	38.4
27	1.84	26.3	505.8	10.45	16.0	2.68	43.1	400.7	6.52	18.6	1.91	68.2	363.2	3.50	18.6
28	0.18	2.5	223.9	2.31	38.9	0.98	8.6	142.4	1.51	55.8	1.37	6.6	160.4	0.82	50.7
29	1.18	32.0	657.7	5.71	12.5	3.12	32.5	508.6	5.72	15.6	2.04	79.6	450.9	1.56	15.2
30	1.72	78.2	445.8	6.51	15.5	2.52	43.7	373.1	5.59	19.7	2.21	123.9	314.7	1.54	17.2
31	0.16	3.0	207.7	2.80	41.7	1.02	8.1	134.0	2.11	58.2	1.08	7.9	147.6	0.98	54.3
32	0.09	1.7	317.9	0.60	27.7	1.15	3.3	175.3	0.64	48.2	0.66	12.9	186.2	0.39	42.6
BAG ACT.	1.18	32.0	358.4	4.58	21.5	1.80	27.5	282.5	3.46	26.8	1.67	47.9	264.7	1.53	25.7
CALC.	1.19	30.2	356.3	4.84	21.8	1.85	26.1	275.2	3.64	27.6	1.69	48.8	259.5	1.58	26.0
33	0.09	2.7	35.1	0.02	224.1	0.23	6.9	40.1	0.03	171.5	0.11	5.8	43.1	0.02	168.8
34	0.45	34.6	546.9	0.25	14.7	2.48	67.8	613.4	0.52	12.2	1.75	84.9	487.0	0.23	14.2
35	0.02	10.1	619.2	0.39	14.0	1.30	21.4	518.2	0.57	16.0	0.47	23.6	447.4	0.34	18.3
36	0.00	6.1	409.1	0.26	21.2	0.93	14.0	327.4	0.39	25.2	0.49	22.4	257.4	0.21	30.2
37	0.04	9.6	313.5	0.43	27.0	0.98	7.7	217.6	1.02	38.1	0.41	13.8	221.6	0.70	36.3
38	0.46	16.8	246.1	3.39	32.4	1.07	6.7	199.6	2.37	41.6	0.50	19.5	205.4	1.34	37.3
39	0.37	6.2	317.9	7.74	27.0	1.54	17.0	246.8	4.24	31.9	0.15	12.8	281.9	1.84	29.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	052	1975	AMC	STAW	258	053	1975	BUIC	CNTY	350	054	1975	BUIC	RIVI	455
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	4.41	159.9	841.3	4.78	8.0	4.41	217.8	1056.6	3.36	6.3	5.31	331.4	1310.1	3.19	4.8
2	1.23	23.4	227.4	0.56	33.1	1.54	22.6	352.7	0.39	22.6	1.51	31.6	477.3	0.74	16.7
3	5.03	143.2	958.5	2.31	7.4	2.59	99.7	1183.2	1.34	6.6	3.36	107.2	1517.1	2.23	5.2
4	2.96	92.8	599.3	2.28	11.8	3.35	143.1	708.9	1.23	9.4	2.96	112.3	861.5	1.95	8.5
5	2.09	60.8	525.4	3.35	14.1	3.23	122.5	600.7	2.73	11.0	3.00	99.3	723.7	2.88	10.0
6	0.55	7.2	175.2	0.28	47.1	1.45	41.0	195.2	0.23	33.6	1.34	24.3	267.4	0.41	28.6
7	3.77	240.5	610.2	3.33	8.9	5.07	269.9	790.5	4.93	7.2	6.38	451.4	763.0	2.56	5.9
8	0.44	5.0	198.6	0.60	42.7	1.31	33.8	223.9	1.23	31.6	1.60	31.0	266.6	1.29	27.7
9	1.61	48.7	553.8	5.24	14.0	3.05	143.9	592.9	4.66	10.7	4.84	324.5	680.3	1.96	7.7
10	1.18	5.3	189.4	0.44	44.0	1.31	24.5	224.2	0.72	33.3	1.17	17.4	289.3	0.86	27.7
11	3.22	164.6	581.2	4.09	10.4	4.16	234.5	736.8	4.66	7.9	8.48	619.1	731.1	1.25	5.1
12	1.59	6.4	186.6	0.46	44.0	1.56	26.7	238.1	0.69	31.1	1.58	18.2	315.0	0.90	25.5
13	2.82	105.0	654.8	5.92	10.7	3.56	176.8	809.8	5.67	8.1	7.60	552.1	821.3	1.78	5.2
14	1.12	5.2	183.9	0.46	45.4	1.29	25.8	209.2	0.83	35.0	1.23	18.8	267.7	0.91	29.5
15	0.68	2.5	169.0	0.60	50.7	1.26	16.3	261.4	0.56	39.5	1.18	20.8	351.5	0.57	22.9
16	2.95	72.4	392.3	0.40	17.2	0.73	0.0	738.3	0.52	12.0	1.22	16.8	1021.8	1.00	8.4
17	3.14	107.7	657.7	4.44	10.6	3.18	138.2	835.0	4.47	8.4	4.99	205.8	968.2	2.98	6.2
18	0.76	7.4	165.4	0.20	49.5	1.50	35.8	218.6	0.21	31.7	1.23	21.0	298.8	0.30	26.4
19	2.97	111.8	619.6	4.08	11.0	2.99	119.9	794.6	3.84	8.9	6.06	452.0	808.2	1.48	5.8
20	0.90	10.5	195.9	0.22	41.2	1.63	32.9	262.8	0.23	27.8	1.41	19.5	357.7	0.31	22.6
21	4.77	308.6	629.9	2.71	7.9	5.46	303.6	855.6	5.00	6.6	9.48	707.2	889.2	1.81	4.4
22	1.47	7.7	198.1	0.43	41.3	1.54	29.2	251.2	0.81	29.4	1.64	23.4	319.0	0.80	24.6
23	2.99	49.2	822.6	4.66	9.8	3.29	120.9	970.7	2.98	7.6	3.78	162.0	1206.7	3.17	6.0
24	2.09	70.0	542.1	4.61	13.5	3.66	177.9	616.9	4.16	9.8	4.99	316.9	674.5	1.88	7.5
25	0.85	5.5	171.7	0.47	48.5	1.51	31.2	204.6	0.82	34.3	1.41	23.3	260.2	0.89	29.4
26	0.91	3.6	244.9	0.82	35.0	1.74	20.9	362.4	0.56	22.1	1.71	32.9	503.6	0.92	15.8
27	2.38	76.8	594.1	4.70	12.3	3.07	132.3	720.6	4.65	9.5	4.54	258.5	824.1	2.88	7.1
28	1.23	8.5	203.4	0.41	40.2	1.41	29.2	245.8	0.69	30.0	1.29	20.8	323.2	0.76	24.7
29	2.78	49.9	745.1	3.06	10.7	3.32	140.8	818.2	1.78	8.5	3.27	105.3	1050.3	2.76	7.2
30	3.10	174.7	534.3	3.44	10.8	4.55	238.1	640.1	4.31	8.6	7.38	519.0	663.1	1.05	5.9
31	0.82	6.2	163.2	0.50	50.6	1.58	34.4	190.4	0.76	35.6	1.83	26.5	261.5	0.88	28.7
32	1.00	7.0	231.2	0.71	36.2	1.61	15.1	366.6	0.44	22.4	1.58	26.7	485.3	0.66	16.7
BAG ACT.	1.69	52.5	417.6	2.04	17.6	2.31	93.1	472.1	2.15	14.2	3.02	164.8	549.9	1.68	10.8
CALC.	1.76	51.9	404.0	2.01	18.1	2.40	92.9	468.7	2.23	14.3	3.23	163.6	544.8	1.64	10.9
33	0.33	10.0	53.3	0.06	126.8	0.03	0.0	90.8	0.11	97.6	0.01	0.0	134.4	0.22	66.0
34	4.41	135.0	649.4	0.67	10.1	0.37	0.0	1090.0	0.85	8.1	0.23	0.0	1623.4	2.12	5.5
35	1.90	44.5	365.1	0.43	20.1	0.59	2.4	710.8	0.46	12.4	0.13	0.3	884.0	0.72	10.0
36	1.38	30.8	286.0	0.44	26.2	1.30	10.8	462.7	0.37	18.3	0.07	0.0	578.2	0.55	15.3
37	0.24	1.9	323.7	1.20	27.1	1.67	28.9	307.9	0.87	24.7	1.21	11.1	375.1	1.34	22.4
38	0.09	1.5	402.1	0.77	21.9	1.71	50.1	324.9	0.56	21.7	0.36	5.8	439.5	0.69	19.7
39	0.44	9.9	430.8	1.93	19.8	1.70	53.3	389.2	2.54	18.6	0.62	18.0	504.3	3.30	16.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	055	1975	CADI	DEVI	500	056	1975	CHEV	VEGA	140	057	1975	CHEV	MALI	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	6.98	367.9	1274.6	5.28	4.7	10.83	253.3	525.5	2.61	9.3	2.91	159.0	1020.2	3.65	6.9
2	3.27	79.5	331.3	0.58	19.0	2.83	56.7	194.1	0.92	30.4	1.37	31.1	414.2	0.27	19.0
3	7.60	236.0	1370.8	4.20	5.0	7.52	305.0	494.7	0.54	8.9	3.51	79.1	1185.4	3.07	6.7
4	5.01	220.4	831.2	2.93	7.4	4.11	83.3	425.4	2.46	15.6	2.44	92.1	665.5	1.54	10.6
5	3.82	195.4	743.9	3.78	8.3	3.01	49.1	390.4	3.61	18.6	2.12	89.6	544.0	1.93	12.8
6	1.83	59.7	235.3	0.66	26.5	0.93	11.8	129.5	1.22	58.8	1.01	24.0	231.9	0.36	32.5
7	8.26	605.5	837.2	2.43	4.9	2.14	104.9	282.8	1.32	19.5	3.41	236.7	660.7	2.02	8.5
8	2.20	77.1	276.9	0.84	21.8	1.12	42.0	133.5	0.70	43.7	1.24	47.4	229.4	0.99	28.8
9	3.92	224.6	755.7	3.55	7.9	2.00	80.5	348.8	2.88	18.4	2.20	136.5	537.7	2.48	11.7
10	3.10	57.3	262.9	0.62	24.5	1.59	28.9	140.9	1.16	46.4	1.12	31.0	238.1	0.67	30.6
11	7.00	518.5	875.7	2.10	5.2	5.24	166.7	365.1	1.54	13.8	3.45	270.9	642.0	1.62	8.2
12	3.79	63.1	294.0	0.69	21.9	2.80	34.9	142.0	1.02	43.1	1.46	37.1	251.2	0.77	28.3
13	6.52	453.1	939.0	3.15	5.3	6.41	186.1	386.0	1.77	12.7	3.38	229.5	714.5	2.71	8.2
14	2.89	61.1	263.6	0.68	24.1	1.44	27.7	131.7	1.00	49.4	1.21	32.5	222.7	0.74	32.0
15	2.16	63.0	246.0	0.88	25.2	1.50	45.9	121.2	0.35	44.8	1.15	21.3	282.8	0.20	27.7
16	6.15	118.7	648.6	0.45	10.4	4.55	157.3	338.1	0.32	14.8	1.03	6.4	829.7	1.18	10.5
17	5.29	287.3	998.6	4.26	6.1	9.43	200.7	411.7	2.11	11.7	2.81	150.3	767.4	3.45	8.8
18	2.71	55.2	235.8	0.40	26.8	1.89	29.7	129.3	0.70	48.8	0.94	19.7	247.8	0.32	31.5
19	5.03	264.3	947.1	4.51	6.4	5.41	118.4	426.7	3.37	14.1	2.88	196.6	691.9	1.64	8.8
20	3.47	59.1	282.4	0.49	23.0	2.87	41.8	152.6	0.77	39.0	1.28	28.0	306.8	0.37	25.0
21	9.55	688.8	993.4	2.60	4.2	8.83	196.9	330.7	0.88	13.3	4.19	307.8	769.1	2.29	7.0
22	3.76	68.4	289.5	0.59	21.7	3.37	53.7	128.2	0.50	39.8	1.46	38.5	256.4	0.68	27.6
23	5.57	224.3	1145.9	5.22	5.9	10.01	183.3	472.6	2.54	11.2	3.01	122.9	904.5	3.46	8.0
24	4.10	238.9	784.4	3.40	7.6	3.27	109.5	346.0	1.96	16.8	2.71	171.6	561.9	1.75	10.6
25	2.60	67.4	256.2	0.66	24.0	1.31	25.0	133.5	0.96	50.2	1.28	33.2	217.9	0.72	32.4
26	3.23	94.1	326.8	0.74	18.3	2.26	70.2	172.5	0.44	30.6	1.71	32.5	401.5	0.33	19.4
27	4.79	274.9	890.6	4.31	6.6	5.31	163.8	370.5	1.94	15.8	3.14	194.5	628.3	2.35	9.4
28	3.41	68.4	290.8	0.58	21.7	2.56	42.3	141.1	0.83	41.2	1.27	34.1	266.0	0.66	27.4
29	5.64	258.0	993.2	3.43	6.3	7.19	148.9	418.7	2.17	13.3	2.84	99.5	808.9	2.53	9.1
30	5.30	376.8	814.7	2.82	6.2	3.36	118.1	343.3	1.92	16.5	3.06	204.9	607.9	1.58	9.4
31	2.84	73.2	253.2	0.70	23.5	1.11	26.3	130.7	0.92	50.6	1.38	41.5	208.5	0.68	31.9
32	3.37	83.5	329.1	0.80	18.8	2.57	78.9	163.6	0.44	31.0	1.53	27.2	404.9	0.23	19.6
BAG ACT.	4.13	196.2	574.8	1.87	9.9	3.60	100.6	259.2	1.23	20.7	2.09	103.0	465.1	1.50	14.0
CALC.	4.25	196.0	573.8	1.94	9.9	3.57	100.3	254.9	1.28	20.9	2.04	102.0	451.4	1.48	14.4
33	0.41	6.0	91.1	0.12	87.2	0.51	18.9	48.6	0.02	111.1	0.04	0.1	113.4	0.34	78.0
34	5.72	50.9	1103.3	0.97	7.4	5.92	213.0	508.3	0.30	10.3	1.01	9.0	1355.6	3.15	6.5
35	3.40	26.2	559.5	0.42	14.5	2.72	66.4	349.4	0.29	19.2	0.33	0.7	702.0	0.48	12.6
36	3.82	82.3	472.9	0.66	14.4	1.85	35.6	270.2	0.43	26.7	0.10	0.0	453.7	0.80	19.6
37	2.11	69.0	391.1	2.82	17.5	1.29	19.6	224.1	1.70	34.3	1.24	25.1	301.0	0.33	25.8
38	2.22	95.3	446.7	1.82	14.7	0.97	9.7	212.4	1.90	38.5	0.78	17.6	325.1	0.62	25.0
39	2.96	152.7	562.7	1.94	10.9	0.45	3.2	281.0	2.93	30.9	1.26	44.1	351.6	2.22	20.9

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH 058	YEAR 1975	MAKE CHEV	MODL IMPA	CID 350	VEH 059	YEAR 1975	MAKE CHEV	MODL STAN	CID 400	VEH 060	YEAR 1975	MAKE CHEV	MODL NOVA	CID 250
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	5.32	252.0	1144.7	4.23	5.7	0.67	46.1	1524.6	3.08	5.6	5.94	288.3	704.7	3.62	7.5
2	2.43	86.8	312.4	0.15	19.4	0.05	0.0	434.0	0.28	20.4	2.59	93.8	240.6	0.23	22.4
3	7.02	278.1	1128.4	2.16	5.6	0.18	0.0	1559.8	1.88	5.7	6.87	398.2	655.4	0.59	7.3
4	3.94	148.0	728.8	2.18	9.1	0.33	5.7	1052.9	1.77	8.4	3.50	146.8	501.5	1.33	11.9
5	2.32	91.9	682.6	2.83	10.6	0.40	28.0	911.9	2.33	9.3	2.73	108.3	446.3	2.09	14.2
6	1.30	36.9	237.5	0.38	29.6	0.06	0.0	310.8	0.37	28.5	1.48	46.5	157.9	0.42	37.7
7	5.11	367.5	786.7	2.24	6.4	8.07	610.7	880.0	1.30	4.8	4.44	232.2	560.0	3.06	9.5
8	0.96	27.3	262.0	1.30	28.8	0.23	0.0	343.0	0.83	25.8	1.19	25.8	192.6	1.77	37.5
9	2.88	206.4	640.4	2.00	9.1	3.20	303.5	731.6	1.61	7.3	2.41	79.1	485.1	4.50	14.4
10	2.07	29.3	242.0	0.83	30.1	0.11	0.0	306.2	0.60	29.0	1.99	37.6	178.1	1.18	36.4
11	5.30	395.4	726.8	1.29	6.5	7.52	595.0	785.7	0.90	5.1	3.64	175.6	564.4	4.20	10.4
12	2.58	31.0	268.4	1.01	27.3	0.24	0.0	324.8	0.60	27.3	2.80	39.7	191.8	1.34	33.7
13	4.95	352.3	791.2	2.03	6.5	6.22	497.2	889.8	1.45	5.2	3.67	159.5	606.5	4.81	10.2
14	1.77	27.1	240.2	0.90	30.8	0.18	0.0	298.8	0.58	29.6	1.67	34.0	173.8	1.21	38.2
15	1.78	60.6	226.8	0.18	27.1	0.10	0.0	347.7	0.27	25.5	1.70	46.7	201.9	0.36	31.6
16	6.72	231.5	554.1	0.10	9.5	0.11	0.0	798.2	0.71	11.1	5.04	204.6	451.9	0.20	11.2
17	4.55	241.3	845.1	2.77	7.2	0.68	69.2	1210.7	2.67	6.7	3.96	177.2	588.0	3.43	10.1
18	2.17	47.8	226.3	0.23	28.8	0.05	0.0	298.6	0.27	29.7	1.94	57.4	158.9	0.32	34.8
19	4.80	297.7	755.6	1.70	7.2	0.76	96.3	1119.5	2.46	7.0	3.62	150.7	566.3	3.23	10.9
20	2.72	51.4	268.9	0.26	24.8	0.04	0.0	348.3	0.31	25.5	2.45	70.4	189.5	0.37	28.8
21	6.26	460.7	856.8	1.70	5.5	11.28	742.1	978.2	1.32	4.1	4.94	278.3	619.2	3.28	8.3
22	2.57	36.2	254.5	0.70	27.8	0.24	0.0	330.1	0.48	26.8	2.68	48.8	190.3	1.09	32.2
23	3.89	137.2	1003.4	3.49	7.2	0.43	22.2	1366.5	2.63	6.3	5.07	205.9	646.0	2.96	9.0
24	3.54	245.6	638.4	1.60	8.6	4.16	351.1	765.9	1.19	6.7	3.09	141.4	461.6	2.88	12.8
25	1.81	28.8	229.1	0.74	31.7	0.18	0.0	303.1	0.54	29.2	1.87	35.9	170.5	1.24	38.1
26	2.72	93.3	328.6	0.15	18.3	0.10	0.0	452.7	0.33	19.6	2.84	95.1	256.2	0.29	21.4
27	3.82	228.4	723.4	2.61	8.1	1.80	174.3	958.2	2.11	7.2	3.62	162.9	513.4	3.01	11.4
28	2.51	40.1	255.8	0.65	27.2	0.09	0.0	335.9	0.45	26.4	2.24	53.1	190.3	0.97	31.6
29	4.21	169.8	864.0	2.48	7.8	0.26	7.4	1274.3	1.86	6.9	4.59	196.3	573.7	1.69	9.9
30	4.14	295.8	695.6	1.62	7.6	9.19	558.0	794.5	0.91	5.2	3.69	189.1	499.6	2.67	11.0
31	1.68	27.2	233.2	0.96	31.6	0.27	0.0	306.0	0.47	28.9	2.10	34.2	166.0	1.30	39.2
32	2.61	80.2	323.0	0.15	19.4	0.14	0.0	441.4	0.30	20.1	3.14	109.7	222.2	0.19	21.9
BAG ACT.	2.93	139.3	487.3	1.43	12.4	1.75	127.8	653.7	1.04	10.3	2.64	104.0	361.9	2.15	16.6
CALC.	3.01	137.1	488.5	1.47	12.4	1.88	127.5	640.6	1.07	10.5	2.80	102.9	355.0	2.09	16.9
33	0.59	18.1	67.7	0.04	90.6	0.02	0.0	97.6	0.11	90.9	0.45	16.8	68.0	0.07	92.6
34	7.35	194.8	855.3	0.44	7.5	0.60	0.0	1197.6	0.90	7.4	5.00	184.2	882.2	0.77	7.5
35	4.26	118.3	553.9	0.29	11.8	0.15	0.0	909.8	0.78	9.8	2.47	90.2	451.3	0.36	14.8
36	2.97	91.0	349.1	0.19	17.7	0.13	0.0	600.9	0.55	14.8	1.68	56.2	349.0	0.27	20.0
37	1.99	81.7	278.4	0.34	21.5	0.11	0.0	506.3	0.45	17.5	0.72	3.6	280.3	1.44	30.8
38	1.36	37.3	373.8	0.79	20.3	0.09	0.0	534.9	1.06	16.6	1.21	17.7	304.2	2.28	26.4
39	0.76	27.3	460.7	2.79	17.5	0.14	0.1	617.4	2.66	14.4	1.33	34.9	360.4	4.11	21.2

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	061	1975	CHRY	CORD	360	062	1975	DODG	CORO	318	063	1975	FORD	PINT	140
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	7.24	225.7	1038.4	5.79	6.3	2.80	57.1	1108.0	11.94	7.4	6.94	68.0	551.8	4.84	13.0
2	4.01	71.0	300.0	0.32	20.9	1.77	47.8	347.2	0.59	20.7	1.84	6.9	255.1	0.18	32.6
3	9.55	323.7	996.0	1.28	5.8	4.41	143.2	1104.4	3.49	6.6	2.00	27.2	818.0	2.22	10.2
4	4.93	139.4	687.7	3.07	9.6	2.25	40.9	744.9	4.00	10.9	1.40	36.0	421.7	2.22	18.4
5	2.94	62.4	636.3	3.99	11.9	1.06	13.4	664.1	7.37	12.9	1.76	46.8	367.2	3.51	19.7
6	1.84	26.6	210.1	0.71	33.4	0.42	6.4	227.8	0.26	37.1	0.40	6.9	163.1	0.57	50.7
7	6.28	299.1	703.8	2.71	7.4	0.85	5.0	891.4	14.83	9.8	1.39	69.3	402.7	3.70	17.2
8	1.62	35.3	252.0	0.86	28.4	0.19	0.8	251.4	1.26	35.0	0.19	5.9	200.7	1.22	42.1
9	2.38	58.5	698.1	6.02	11.1	0.24	1.1	699.9	11.01	12.6	0.71	51.5	381.7	2.97	19.1
10	3.82	39.6	233.3	0.63	28.9	0.83	0.6	254.3	0.76	32.8	0.21	3.9	172.3	0.61	49.5
11	6.50	292.1	716.9	3.72	7.4	0.57	7.3	884.4	14.78	9.9	3.47	101.5	420.3	3.25	15.0
12	5.86	48.7	241.4	0.66	26.4	1.16	11.1	257.6	0.89	31.8	0.27	3.8	201.0	0.92	42.7
13	6.16	250.2	774.9	4.82	7.5	0.60	9.3	913.0	12.95	9.5	4.34	99.8	457.9	3.49	14.1
14	3.66	40.3	225.8	0.66	29.5	0.72	5.2	245.2	0.92	34.7	0.37	3.7	174.4	0.68	48.9
15	2.57	51.1	223.4	0.20	28.5	1.01	24.3	261.2	0.63	29.3	0.36	8.1	187.0	0.19	44.2
16	6.58	224.1	464.4	0.10	10.6	2.93	111.8	699.1	0.57	10.0	0.79	11.1	483.3	0.38	17.6
17	6.25	239.1	786.7	3.47	7.5	0.91	17.1	921.9	10.34	9.3	6.16	115.6	431.9	3.23	14.0
18	4.17	40.1	217.1	0.47	30.3	0.64	13.4	242.9	0.22	33.4	0.74	5.1	162.5	0.42	51.4
19	4.96	144.3	778.5	5.20	8.7	0.92	16.5	855.7	11.73	10.0	3.03	98.5	430.6	2.50	14.9
20	6.28	48.9	242.9	0.56	26.1	0.85	18.1	289.7	0.27	27.7	0.79	5.3	190.1	0.40	44.2
21	8.34	390.6	805.9	3.41	6.1	0.80	9.8	1036.4	16.95	8.4	5.93	103.3	437.9	3.48	14.3
22	5.57	49.4	237.0	0.57	26.7	1.06	11.5	271.0	0.86	30.3	0.60	3.8	196.7	0.68	43.4
23	6.60	181.8	915.4	4.80	7.3	1.55	36.8	904.0	7.31	8.5	5.57	92.9	540.8	3.30	12.6
24	3.06	81.9	703.8	6.25	10.5	0.47	4.8	718.2	10.43	12.2	1.47	73.4	382.5	2.39	17.7
25	3.13	36.4	228.1	0.69	30.1	0.69	8.3	237.0	1.07	36.1	0.21	4.0	176.5	0.61	48.4
26	3.67	69.5	307.6	0.29	20.7	1.55	37.1	370.3	0.91	20.5	0.43	10.9	256.4	0.23	32.3
27	4.44	151.2	732.1	5.11	9.0	0.53	7.6	810.0	10.04	10.8	2.28	75.3	431.7	2.98	15.9
28	4.67	52.2	242.4	0.57	26.2	0.97	12.4	283.6	0.86	29.0	0.36	3.8	189.5	0.52	45.1
29	5.74	162.5	814.2	3.69	8.2	1.51	38.4	865.8	4.81	9.5	2.41	68.5	510.7	2.28	14.2
30	5.00	207.1	687.5	3.91	8.6	0.56	4.8	791.0	13.63	11.1	1.74	75.7	413.3	3.67	16.5
31	2.82	[illegible]	219.7	0.65	30.4	0.74	3.7	324.5	1.01	38.2	0.15	3.7	185.5	0.76	46.3
32	4.30	78.2	294.7	0.28	20.6	1.57	35.3	366.3	0.84	20.8	0.33	8.8	240.5	0.18	34.7
BAG ACT.	4.34	111.0	491.4	2.36	13.1	0.80	14.3	544.3	4.87	15.6	1.38	36.8	317.9	1.77	23.4
CALC.	4.41	111.9	486.1	2.29	13.1	0.78	13.6	536.0	5.10	15.9	1.41	35.8	317.0	1.74	23.5
33	0.93	30.3	56.7	0.02	82.8	0.44	18.9	91.6	0.08	72.3	0.07	0.7	53.6	0.03	161.8
34	13.09	369.4	711.0	0.28	6.7	5.22	210.9	1115.3	0.90	6.1	0.94	3.5	617.8	0.33	14.2
35	6.72	198.1	381.1	0.17	12.4	2.61	101.4	565.5	0.43	12.1	0.34	19.1	584.1	0.40	14.4
36	3.44	128.1	309.1	0.19	17.0	1.66	63.2	437.0	0.40	16.4	0.31	12.8	336.6	0.26	24.8
37	1.76	36.9	336.4	0.55	22.2	1.21	24.1	311.6	0.97	25.1	0.22	12.4	256.9	0.44	32.0
38	0.97	15.8	416.0	1.58	20.0	0.13	2.7	415.1	0.50	21.1	0.27	12.4	234.8	0.88	34.8
39	1.96	65.4	481.0	2.12	15.0	0.09	1.6	505.9	2.47	17.4	0.13	8.3	310.1	2.71	27.4

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	064	1975	FORD	LTD	351	065	1975	FORD	LTD	400	066	1975	FORD	GRAN	250
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	6.37	219.2	1017.8	4.82	6.4	3.37	163.6	1229.7	4.44	5.9	0.88	49.2	1026.5	5.01	8.0
2	3.07	79.3	274.0	0.28	21.7	0.84	18.4	438.6	0.33	18.9	0.16	0.0	327.4	1.82	27.1
3	8.12	295.6	1072.5	1.28	5.7	2.95	121.9	1318.7	1.29	5.8	0.37	0.0	1044.6	3.52	8.5
4	3.41	106.0	728.7	2.39	9.8	1.77	63.3	827.5	2.05	9.5	0.36	0.0	730.7	3.45	12.1
5	2.62	69.8	635.2	4.11	11.8	1.28	41.1	750.0	4.10	10.8	0.29	0.4	626.9	4.99	14.1
6	1.31	38.3	221.5	0.30	31.1	0.76	8.1	318.7	0.39	26.6	0.07	0.0	237.2	0.63	37.4
7	5.10	314.6	742.6	3.03	7.1	3.31	257.8	852.0	2.92	7.0	1.82	140.4	602.0	4.50	10.7
8	1.50	35.2	250.5	1.55	28.6	0.72	7.7	354.3	1.44	24.1	0.14	0.0	272.4	1.12	32.5
9	2.95	116.3	631.7	3.72	10.8	0.92	50.2	778.3	4.08	10.3	0.92	75.7	558.6	3.29	13.0
10	3.05	32.7	217.7	0.94	31.8	1.27	6.5	325.1	0.86	26.2	0.09	0.0	255.2	0.90	34.7
11	4.68	279.0	745.8	2.62	7.4	1.60	109.6	961.4	4.09	7.8	2.22	174.0	641.2	3.59	9.6
12	3.24	36.5	231.4	1.10	29.7	1.64	7.8	346.6	0.99	24.4	0.14	0.0	275.1	0.96	32.2
13	4.48	217.5	789.5	3.92	7.7	1.52	97.8	1001.9	4.65	7.6	1.77	139.3	725.7	4.32	9.3
14	2.52	35.8	209.9	0.91	32.4	1.14	6.5	317.0	0.93	26.8	0.09	0.0	239.6	0.76	37.0
15	2.05	55.2	199.1	0.23	30.4	0.60	9.4	355.2	0.30	23.9	0.16	0.0	258.3	1.64	34.3
16	4.57	124.1	478.9	0.30	12.9	1.98	61.9	853.1	0.30	9.3	0.37	0.0	607.5	0.90	14.6
17	4.18	148.8	831.5	4.61	8.2	1.91	72.6	997.5	5.69	7.9	0.37	14.1	894.2	4.51	9.7
18	2.63	40.8	203.9	0.25	32.1	1.21	8.4	327.4	0.32	25.8	0.08	0.0	239.4	0.59	37.0
19	4.08	172.2	751.3	3.59	8.6	1.73	64.0	907.2	4.38	8.8	0.32	2.4	813.3	4.72	10.9
20	3.81	48.1	244.2	0.25	26.7	1.32	10.6	380.2	0.31	22.1	0.09	0.0	267.1	0.63	33.2
21	6.21	398.7	826.1	2.63	6.0	3.21	254.3	1020.9	3.54	6.2	2.24	189.4	726.7	4.27	8.6
22	3.79	40.4	235.2	0.94	28.6	1.40	9.0	349.1	0.87	24.1	0.16	0.0	267.8	0.94	33.1
23	5.03	153.7	901.5	3.64	7.7	2.18	90.1	1125.0	3.61	7.0	0.43	0.8	950.1	4.67	9.3
24	3.14	148.0	648.8	3.01	10.0	1.09	60.4	809.4	4.16	9.8	1.17	91.4	570.8	3.76	12.4
25	1.98	36.5	218.4	1.07	31.5	0.97	8.3	324.6	0.99	26.0	0.11	0.0	236.8	0.84	37.4
26	2.60	57.7	269.8	0.29	24.1	1.15	16.4	405.9	0.44	17.2	0.21	0.0	344.2	1.99	25.7
27	3.60	146.0	715.4	4.12	9.3	1.27	71.8	898.9	4.44	8.7	0.74	52.2	715.1	5.05	11.1
28	3.57	41.7	241.9	0.89	27.8	1.58	10.3	363.9	0.89	23.0	0.09	0.0	269.2	0.87	32.9
29	5.07	187.0	748.6	2.05	8.4	1.97	95.0	1020.1	1.84	7.5	0.33	0.0	850.8	4.00	10.4
30	4.21	228.4	662.2	2.91	8.6	1.87	142.8	846.7	3.23	8.2	1.50	123.1	569.8	3.66	11.6
31	1.70	38.9	209.0	1.05	32.2	1.21	9.4	327.7	1.07	25.6	0.14	0.0	244.2	0.97	36.3
32	2.99	64.4	288.9	0.33	22.2	1.40	18.7	462.7	0.33	17.9	0.20	0.0	327.7	1.42	27.0
BAG ACT.	3.41	112.6	484.7	2.12	13.2	1.25	49.5	615.9	2.42	12.7	0.54	35.1	493.5	2.59	16.1
CALC.	3.50	111.3	470.8	2.08	13.5	1.26	49.3	631.0	2.33	12.5	0.57	34.8	479.5	2.50	16.6
33	0.43	11.2	73.3	0.04	96.2	0.42	11.5	100.2	0.05	74.3	0.03	0.0	85.5	0.17	103.7
34	2.85	67.0	972.6	0.49	8.2	3.86	115.0	1196.4	0.56	6.4	0.38	0.0	1047.3	1.77	8.5
35	0.85	24.4	788.0	0.54	10.7	1.58	46.5	600.8	0.28	13.1	0.19	0.0	518.4	0.83	17.1
36	0.66	16.3	503.4	0.37	16.7	1.06	30.0	439.7	0.24	18.1	0.13	0.0	448.3	1.11	19.8
37	0.36	13.2	415.8	0.60	20.3	0.28	6.4	448.3	0.88	19.3	0.15	0.0	342.9	4.55	25.8
38	0.36	13.1	442.5	0.84	19.1	0.27	9.0	488.5	0.87	17.6	0.11	0.0	379.4	1.57	23.4
39	2.04	64.0	419.1	2.94	16.9	0.25	20.4	522.0	2.85	16.0	0.10	0.0	502.5	3.03	17.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	067	1975	FORD	GRAN	302	068	1975	MERC	COUG	400	069	1975	OLDS	CUTL	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.68	412.5	1185.1	1.22	6.5	1.87	98.0	1351.1	3.87	5.9	8.88	252.1	889.7	3.86	6.7
2	0.23	0.0	542.9	0.26	16.3	0.48	26.4	619.5	0.37	13.4	2.93	31.4	240.7	0.60	29.7
3	1.07	98.4	1278.5	0.34	6.2	1.67	102.5	1605.2	1.61	5.0	14.16	330.2	819.0	1.02	6.4
4	0.54	13.9	828.9	1.09	10.4	1.16	65.3	891.5	1.33	8.9	5.20	121.6	629.1	1.67	10.6
5	0.78	50.4	679.0	0.97	11.7	0.81	36.2	771.6	2.70	10.7	3.39	84.2	562.8	2.87	12.6
6	0.14	0.0	315.7	0.57	28.1	0.24	13.5	384.4	0.24	21.8	1.36	17.2	199.1	0.49	38.5
7	2.63	192.8	708.4	2.11	8.7	2.27	219.7	888.3	2.85	7.2	7.99	418.2	640.1	2.02	6.7
8	0.27	0.9	330.1	0.59	26.7	0.59	9.0	378.3	0.79	22.5	2.00	37.8	273.8	1.31	26.1
9	0.96	82.7	637.2	1.11	11.5	0.58	42.3	806.0	3.21	10.2	3.54	118.7	591.4	3.72	11.2
10	0.15	0.0	331.1	0.53	26.8	0.40	9.1	380.1	0.59	22.4	2.69	30.5	224.1	0.76	31.6
11	3.12	203.8	723.4	1.45	8.4	1.16	137.6	995.3	2.48	7.3	6.71	312.0	641.1	2.54	7.7
12	0.25	0.0	353.5	0.52	25.0	0.24	9.4	416.9	0.61	20.5	2.98	29.8	236.2	0.96	30.3
13	2.61	181.2	818.6	1.12	8.0	0.83	89.6	1082.6	3.48	7.2	6.74	302.3	659.4	2.65	7.7
14	0.20	0.4	316.6	0.45	27.9	1.60	65.7	273.0	0.52	23.3	1.99	32.0	223.7	0.82	31.7
15	0.20	0.0	405.1	0.20	21.9	1.64	86.8	330.2	0.20	18.8	2.05	24.5	202.3	0.83	35.9
16	0.85	74.7	990.7	0.11	8.0	4.10	174.9	958.8	0.69	7.1	7.23	146.6	363.1	0.00	14.4
17	2.77	192.2	849.7	0.83	7.6	3.35	170.9	906.8	2.97	7.5	6.56	221.6	708.6	3.10	8.2
18	0.18	0.0	350.2	0.42	25.3	2.00	86.2	295.5	0.20	20.3	1.77	18.1	197.7	0.39	38.3
19	2.09	148.6	759.8	0.83	8.9	2.95	140.9	856.1	3.02	8.2	5.46	173.4	674.8	3.12	9.2
20	0.25	0.0	420.3	0.47	21.1	2.28	96.8	361.3	0.25	17.0	3.38	28.3	213.8	0.37	33.0
21	4.34	293.3	807.8	1.74	6.9	4.42	319.4	963.4	3.05	6.0	9.07	443.8	705.1	2.42	6.2
22	0.30	0.9	370.9	0.40	23.8	2.36	74.8	333.8	0.70	19.3	3.30	28.5	238.6	0.82	30.2
23	1.50	87.9	1078.3	0.93	7.3	4.26	215.5	1016.0	2.04	6.5	7.50	210.3	776.8	2.40	7.8
24	1.71	122.6	659.5	0.81	10.3	2.75	143.8	733.1	2.77	9.2	3.99	136.1	601.5	4.11	10.7
25	0.21	0.7	315.2	0.47	28.0	2.11	63.2	280.4	0.65	23.0	1.65	30.8	219.8	1.00	32.5
26	0.29	0.0	566.3	0.27	15.6	3.02	145.2	456.1	0.33	12.8	2.73	27.3	264.1	1.69	28.1
27	1.76	108.4	780.0	1.01	9.3	2.24	118.4	872.7	3.11	8.3	4.92	171.7	644.7	3.75	9.5
28	0.22	0.1	370.8	0.46	23.9	0.42	13.7	436.3	0.59	19.3	3.26	32.4	238.5	0.64	29.6
29	1.10	63.5	946.8	0.94	8.5	1.10	72.8	1105.6	1.30	7.3	6.48	168.6	694.8	2.31	9.1
30	2.18	154.3	689.4	1.03	9.5	1.23	146.7	907.7	1.99	7.8	5.86	288.8	578.5	2.21	8.4
31	0.27	0.7	322.8	0.44	27.3	0.29	11.0	380.4	0.71	22.3	1.88	38.8	208.4	0.91	32.2
32	0.31	0.0	537.9	0.25	16.5	0.37	19.4	624.2	0.37	13.5	3.21	34.6	244.8	1.27	28.7
BAG ACT.	0.95	54.5	570.5	0.76	13.5	1.43	81.0	646.8	1.67	11.4	4.38	118.7	448.4	1.99	13.7
CALC.	1.01	54.7	573.3	0.80	13.4	1.46	83.2	635.5	1.63	11.5	4.44	118.5	440.9	1.92	13.8
33	0.04	0.0	141.1	0.06	62.8	0.18	3.7	132.7	0.16	63.8	0.71	14.3	48.1	0.02	121.8
34	0.80	0.0	1615.7	0.69	5.5	2.11	40.2	1591.9	1.50	5.3	9.54	141.2	632.3	0.23	10.0
35	0.46	0.0	796.8	0.36	11.1	1.00	17.5	798.7	0.69	10.7	4.33	27.4	607.2	0.62	13.4
36	0.27	0.4	588.7	0.29	15.0	0.56	8.5	536.1	0.33	16.1	2.92	20.0	390.7	0.47	20.6
37	0.16	0.9	419.6	0.45	21.1	0.22	8.0	458.7	0.60	18.8	1.46	13.2	325.6	2.39	25.3
38	0.31	2.0	417.3	1.62	21.1	0.24	11.4	514.5	0.48	16.6	0.62	12.5	398.6	0.96	21.1
39	0.33	4.4	529.6	1.37	16.5	0.19	16.1	525.2	1.68	16.1	2.34	71.2	444.4	2.32	15.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	070	1975	OLDS	NNTY	455	071	1975	PLYM	DUST	225	072	1975	PLYM	FURY	318
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	7.92	376.8	1250.2	2.69	4.8	11.02	199.5	532.2	1.66	10.1	6.16	121.5	1064.8	10.07	7.0
2	2.94	61.1	289.5	0.20	22.5	2.02	12.9	201.0	0.55	39.0	2.22	41.0	277.3	0.62	25.5
3	10.99	418.2	1241.1	0.82	4.6	6.30	183.9	821.3	1.09	8.3	8.94	313.9	971.6	1.23	5.9
4	5.16	224.0	835.9	1.36	7.4	4.81	87.7	447.1	0.90	14.8	4.04	84.7	743.0	3.46	10.0
5	3.20	128.6	746.0	2.28	9.3	2.28	100.0	384.5	1.08	16.2	2.15	21.6	642.0	6.76	13.0
6	1.19	19.8	220.9	0.50	34.7	0.92	12.1	138.6	0.85	55.3	0.72	5.7	195.4	0.97	42.9
7	6.13	436.7	852.2	2.73	5.7	2.35	107.2	491.4	3.99	13.3	2.21	19.4	870.5	14.34	9.8
8	1.32	27.6	257.8	0.93	29.1	1.02	25.0	190.1	0.79	38.2	0.35	1.1	215.1	1.12	40.7
9	3.91	245.0	706.7	2.23	8.0	1.85	65.1	427.1	3.15	16.6	0.99	3.0	697.5	10.63	12.6
10	2.51	23.0	233.4	0.67	32.0	1.14	15.6	166.1	0.76	45.7	1.52	11.5	199.9	0.85	39.8
11	6.86	492.5	800.2	1.52	5.6	3.55	123.2	469.5	3.86	13.2	1.65	15.7	876.4	16.07	9.8
12	3.11	28.8	243.0	0.66	29.8	1.29	20.0	167.4	0.66	45.7	1.97	10.7	217.1	1.04	36.9
13	6.50	427.6	881.3	2.23	5.6	4.65	137.1	481.3	3.91	12.5	1.76	20.3	890.6	15.07	9.6
14	2.15	25.6	223.7	0.63	32.8	1.09	20.0	159.4	0.72	45.7	1.07	7.7	204.3	1.28	40.4
15	1.89	44.0	214.0	0.28	30.7	0.49	0.0	162.3	0.53	54.2	1.42	23.8	212.5	0.61	34.9
16	6.30	142.4	536.9	0.21	11.4	1.45	11.0	440.8	0.09	19.2	4.24	112.2	485.8	0.12	13.1
17	5.21	239.7	1002.2	3.58	6.4	7.16	162.3	492.4	2.62	11.5	2.94	42.6	881.5	9.86	9.3
18	2.24	26.9	217.4	0.29	33.3	1.21	14.2	145.4	0.68	51.7	1.37	14.8	191.7	0.75	40.5
19	5.10	244.3	935.2	3.42	6.6	4.65	108.6	490.9	2.09	13.1	2.56	33.9	851.1	10.91	9.7
20	2.96	32.2	252.1	0.23	28.4	1.95	17.4	165.7	0.62	44.6	1.89	21.7	226.9	0.73	33.0
21	8.31	606.0	939.9	2.11	4.6	5.75	140.0	449.2	3.57	12.9	2.35	30.2	992.0	18.17	8.5
22	3.26	30.1	242.7	0.58	29.5	1.68	22.1	172.3	0.52	41.8	1.75	16.3	225.0	1.02	34.7
23	7.03	310.6	1074.2	1.72	5.6	10.83	166.4	605.3	2.00	9.8	4.60	101.2	938.1	6.34	8.0
24	3.71	183.2	779.7	3.12	8.2	2.16	86.8	424.8	2.24	15.6	1.49	11.2	707.6	11.82	12.2
25	1.93	27.3	213.8	0.61	33.8	1.08	22.0	160.1	0.76	48.8	0.92	5.5	207.8	1.34	40.5
26	2.93	66.8	293.9	0.26	21.8	0.69	0.0	230.1	0.96	38.2	2.02	37.2	281.2	0.69	25.6
27	4.42	209.0	871.3	3.54	7.3	4.60	113.1	466.4	3.01	13.5	1.64	19.5	799.2	11.78	10.6
28	3.15	39.3	246.2	0.51	27.7	1.73	19.9	174.8	0.77	41.9	1.64	17.6	222.2	1.04	34.8
29	6.63	294.3	938.7	1.40	6.2	10.30	176.2	531.6	1.21	10.6	4.64	96.0	839.0	4.10	8.8
30	5.39	373.0	785.8	2.22	6.4	2.65	131.9	443.3	2.78	13.5	1.72	14.3	788.2	13.14	10.9
31	1.76	27.6	219.7	0.74	33.0	1.10	25.1	154.5	0.74	45.0	0.79	4.7	211.5	1.37	40.1
32	3.08	59.5	291.8	0.30	22.5	0.75	0.0	209.3	0.74	41.9	2.27	41.7	276.8	0.63	25.4
BAG ACT.	3.66	152.4	528.1	1.36	11.4	2.70	64.9	332.2	1.65	20.0	1.70	25.6	510.4	5.31	16.0
CALC.	3.75	151.1	529.4	1.44	11.4	2.71	65.1	320.2	1.64	20.6	1.76	23.5	502.2	5.38	16.3
33	0.64	11.5	75.2	0.04	93.2	0.41	12.0	43.8	0.03	138.7	0.65	20.6	58.7	0.04	95.3
34	7.89	125.6	907.8	0.45	7.9	4.06	119.7	535.6	0.37	12.1	7.53	228.2	740.6	0.49	7.9
35	3.78	47.8	478.4	0.23	15.7	1.76	20.1	552.8	0.81	15.0	3.40	97.5	531.0	0.48	12.8
36	2.21	27.6	433.6	0.30	18.3	1.33	16.2	344.3	0.57	23.7	2.11	61.1	383.9	0.43	18.2
37	0.90	8.6	395.4	0.59	21.6	0.31	0.7	241.8	2.29	36.4	1.93	28.9	310.7	3.58	24.5
38	0.58	10.9	437.6	1.09	19.4	1.30	33.8	257.6	2.15	28.2	0.57	1.6	363.7	3.06	24.1
39	1.67	42.8	536.2	2.38	14.6	1.47	56.8	308.5	2.42	22.1	0.60	3.9	437.6	4.93	19.9

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	073	1975	PONT	STAW	400	074	1975	PONT	FIRE	350	075	1975	DATS	B210	85
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	5.55	346.9	1164.7	3.34	5.1	7.48	239.6	1055.1	2.76	6.1	3.38	76.2	444.9	3.50	15.4
2	1.97	41.1	397.2	1.15	19.0	1.08	5.2	346.0	0.92	24.6	0.79	8.6	174.5	0.65	46.6
3	5.92	144.3	1356.8	6.40	5.5	6.46	57.4	1256.4	3.40	6.5	2.06	52.9	540.3	1.12	14.1
4	3.25	101.2	779.4	4.20	9.4	3.56	49.0	734.0	2.27	10.8	1.77	25.2	360.5	1.82	21.5
5	2.86	140.2	641.5	2.90	10.2	2.17	85.8	611.3	1.65	11.8	1.35	15.4	302.7	3.04	26.8
6	1.13	18.0	221.5	0.79	35.0	0.34	0.0	215.6	0.42	41.0	0.80	3.8	121.6	1.87	68.2
7	5.19	381.3	781.6	2.94	6.4	5.25	299.5	668.0	2.50	7.7	1.93	48.3	262.7	2.65	25.7
8	1.50	35.7	230.7	1.29	30.4	1.55	20.3	218.0	1.29	34.6	0.91	8.7	137.3	2.95	57.7
9	2.88	170.0	649.3	3.17	9.6	3.82	191.6	554.2	1.54	10.2	1.94	44.1	282.9	4.09	24.8
10	1.11	21.3	240.1	0.93	31.1	1.75	17.2	228.2	0.94	34.0	0.69	5.0	124.2	1.93	66.1
11	4.07	281.2	813.9	3.49	7.0	6.35	334.8	654.3	1.80	7.4	3.10	83.6	309.4	2.32	19.7
12	1.56	22.9	260.1	1.14	29.5	2.59	29.6	244.0	1.17	29.7	0.79	5.5	129.8	2.10	62.9
13	4.32	293.8	859.2	3.23	6.7	6.37	300.9	716.8	2.18	7.3	3.36	98.3	394.0	2.71	17.4
14	1.28	25.9	226.2	1.02	32.7	1.87	21.3	211.8	0.93	35.3	0.76	6.8	122.8	1.97	65.3
15	1.38	35.3	286.0	0.86	25.7	0.97	0.0	271.5	1.18	38.3	0.85	6.2	125.6	0.87	64.3
16	3.93	71.1	822.3	1.77	9.4	4.76	38.8	675.2	0.86	11.8	0.92	11.0	347.7	0.30	24.1
17	4.95	321.8	863.8	2.28	6.4	5.43	221.3	800.3	2.53	7.6	2.87	70.1	362.0	3.70	17.7
18	1.54	27.5	244.3	0.69	30.3	1.18	6.9	234.6	0.47	35.6	0.72	3.2	117.2	1.42	71.3
19	4.10	225.1	821.4	3.22	7.5	4.28	149.1	751.5	2.55	8.9	2.41	46.5	374.1	3.48	19.5
20	1.93	33.1	302.4	0.78	24.6	1.06	5.2	288.3	0.30	29.6	0.83	3.5	133.1	1.51	62.9
21	6.07	434.0	925.3	3.05	5.5	7.42	394.3	774.5	2.34	6.3	3.70	106.2	320.6	1.96	17.8
22	1.65	25.4	269.4	0.95	28.2	2.48	24.3	242.3	0.87	30.8	0.81	5.5	129.7	1.94	63.0
23	4.83	251.1	1004.7	3.49	6.3	5.06	111.5	960.7	3.46	7.7	3.33	61.1	462.0	3.31	15.6
24	3.48	212.7	667.2	2.81	8.8	3.76	196.6	584.7	1.60	9.8	2.05	52.3	300.3	2.85	22.8
25	1.57	25.7	220.3	1.01	33.4	1.69	20.2	209.1	1.02	36.0	0.71	5.2	123.5	2.20	66.3
26	1.96	42.9	419.9	1.30	18.0	1.40	0.0	382.5	1.57	22.9	1.15	2.6	153.7	1.41	55.0
27	4.16	274.3	744.0	2.30	7.5	4.53	194.9	679.7	2.48	8.9	2.75	67.3	329.5	3.22	20.0
28	1.47	29.4	270.6	0.91	27.6	1.92	17.9	251.7	0.88	31.0	0.71	4.7	128.1	1.84	64.[illegible]
29	4.11	193.4	913.0	3.97	7.2	3.84	40.0	906.9	3.75	8.9	2.80	42.7	414.5	2.59	18.1
30	3.88	247.9	729.7	3.30	7.8	4.47	250.6	627.1	1.79	8.6	2.13	57.1	296.6	2.66	22.6
31	1.86	37.5	212.0	1.03	32.1	1.60	20.5	201.8	0.99	37.1	0.80	7.8	126.3	2.20	62.9
32	2.05	41.8	395.9	1.17	19.0	1.32	2.6	365.0	1.73	23.8	1.04	3.4	143.7	1.23	58.2
BAG ACT.	2.58	133.9	504.7	1.96	12.3	3.05	98.4	465.8	1.59	14.1	1.57	34.7	229.5	2.69	30.7
CALC.	2.69	132.6	500.2	1.94	12.4	3.13	98.5	458.0	1.66	14.3	1.63	32.5	229.7	2.58	31.1
33	0.05	0.0	114.0	0.40	77.7	0.55	5.7	95.3	0.24	83.7	0.10	2.4	18.8	0.01	387.0
34	1.15	0.0	1298.7	3.31	6.8	3.43	11.2	1206.2	1.39	7.2	1.74	50.2	344.2	0.21	20.7
35	0.97	0.0	644.0	0.61	13.7	1.86	4.5	600.5	0.65	14.5	0.58	22.6	405.4	0.43	20.0
36	0.72	0.0	418.7	0.39	21.1	1.88	6.2	398.6	0.36	21.4	0.45	16.1	261.6	0.31	30.8
37	0.26	0.0	349.3	1.78	25.4	0.39	0.1	308.0	1.26	28.7	0.60	10.6	184.0	0.85	43.8
38	0.20	5.2	403.0	1.76	21.6	0.29	0.1	363.5	0.95	24.3	1.15	8.8	171.5	3.27	47.0
39	0.36	18.3	521.2	4.32	16.1	1.53	21.6	410.2	3.11	19.8	1.24	13.5	222.5	5.59	35.8

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	076	1975	TOYO	CORO	133	077	1975	TOYO	CORO	97	078	1975	VOLK	SEDA	97
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	4.18	118.7	592.7	8.75	11.2	7.34	127.5	538.2	1.01	11.6	4.37	89.8	505.6	4.12	13.4
2	1.01	28.6	225.8	0.37	32.4	0.40	2.5	275.6	0.12	31.6	1.31	21.6	170.6	0.59	42.5
3	5.56	191.0	519.5	2.74	10.6	2.45	58.9	735.2	0.83	10.6	5.95	115.7	508.6	0.67	11.2
4	2.21	40.9	439.9	6.30	17.4	1.38	26.9	448.1	1.43	17.9	2.77	37.1	362.9	2.40	20.6
5	1.73	28.2	409.5	6.98	19.3	1.97	30.8	347.6	2.72	22.1	1.92	22.7	318.3	3.69	24.6
6	4.44	8.0	167.0	2.25	45.8	0.25	8.3	153.1	0.38	53.2	0.70	7.2	103.4	0.77	75.9
7	5.44	173.6	566.4	7.04	10.4	2.22	90.7	316.5	0.82	19.0	2.12	70.3	251.7	1.52	24.1
8	2.97	6.7	186.5	4.18	43.0	0.27	5.9	170.6	1.08	49.1	0.61	7.9	115.3	1.87	68.2
9	2.94	86.5	423.7	6.65	15.6	1.17	50.1	352.3	1.68	20.4	2.27	74.2	284.5	2.45	21.7
10	4.31	6.1	176.5	2.78	44.4	0.29	6.0	160.6	1.01	51.9	1.51	7.1	110.7	1.40	70.1
11	3.16	166.0	519.8	4.96	11.2	4.73	140.4	363.3	0.89	14.8	2.01	96.5	311.3	2.27	18.8
12	4.93	5.1	187.0	3.13	42.1	0.50	8.1	173.7	0.98	47.2	1.60	6.8	106.5	1.39	72.6
13	2.93	134.1	531.4	6.62	11.8	4.89	135.0	411.1	1.07	13.9	3.50	115.2	334.2	2.31	16.9
14	4.60	4.9	169.7	3.14	46.2	0.39	7.4	155.1	0.97	52.9	1.17	6.5	100.4	1.34	77.7
15	7.17	21.2	173.7	1.00	38.6	0.19	3.0	199.5	0.12	43.3	1.18	17.5	112.0	0.39	62.0
16	1.97	29.7	408.3	0.10	19.2	0.18	0.0	484.8	0.17	18.3	2.77	51.9	330.0	0.38	21.1
17	2.63	66.2	528.2	8.49	13.9	4.58	79.5	454.0	1.45	15.0	3.70	108.8	351.0	2.26	16.6
18	4.28	7.8	170.6	1.86	45.2	0.26	5.0	168.3	0.31	50.1	0.84	8.7	103.7	0.64	73.9
19	2.43	79.9	496.5	6.42	14.1	2.16	37.0	483.1	2.10	16.2	3.35	93.1	350.9	2.54	17.2
20	4.74	9.3	197.2	2.07	39.1	0.21	4.6	185.0	0.30	46.0	1.02	10.5	124.2	0.71	61.6
21	3.96	215.9	582.0	5.49	9.5	5.60	150.8	359.2	0.74	14.5	3.29	110.8	305.6	1.85	18.1
22	4.88	6.0	186.0	2.97	42.1	0.28	3.4	179.0	0.59	47.9	1.69	8.1	108.6	1.23	70.1
23	3.10	56.7	565.7	8.18	13.4	4.44	49.1	579.8	1.39	13.2	4.14	66.6	445.5	3.85	15.8
24	1.92	72.8	437.9	6.79	15.9	1.55	53.7	382.5	1.89	18.8	2.42	72.7	296.0	2.69	21.2
25	3.45	4.9	168.3	3.08	47.5	0.25	6.7	151.0	0.95	58.7	0.79	7.9	96.8	1.28	80.4
26	6.76	27.1	235.6	1.16	29.6	0.13	3.5	255.3	0.13	34.0	1.63	22.6	156.0	0.52	45.1
27	2.50	105.2	464.3	6.45	13.9	2.15	46.5	437.9	1.75	17.1	3.07	104.7	313.7	2.29	18.2
28	5.67	6.8	185.2	2.88	41.5	0.22	5.1	169.6	0.86	49.8	1.51	8.9	116.9	1.30	65.4
29	2.84	46.7	513.3	7.32	14.9	3.18	32.6	540.0	1.82	14.8	3.50	54.9	401.6	3.67	17.8
30	2.85	140.2	497.3	5.77	12.2	2.48	86.8	358.9	1.32	17.6	2.48	83.1	293.0	2.29	20.6
31	3.53	4.3	167.0	3.19	48.0	0.17	4.6	159.4	0.84	53.1	0.68	4.9	87.6	1.48	91.0
32	6.28	23.8	226.6	0.90	31.3	0.13	1.7	234.9	0.13	37.3	1.54	22.0	153.7	0.56	46.0
DAG ACT.	3.10	49.0	334.9	5.35	21.0	1.46	40.8	291.4	1.29	24.6	2.14	47.6	229.9	2.00	28.5
CALC.	3.07	48.2	334.8	5.29	21.1	1.46	38.0	290.1	1.22	25.0	2.13	47.3	220.3	1.89	29.4
33	0.53	18.4	32.6	0.03	140.6	0.11	3.0	36.9	0.02	212.0	0.34	8.4	37.0	0.02	173.4
34	5.99	195.8	430.4	0.33	11.7	0.98	39.8	561.6	0.25	14.2	3.15	98.2	463.7	0.33	14.1
35	3.10	97.7	227.6	0.17	22.7	0.14	12.7	607.1	0.34	14.1	2.43	48.2	370.1	0.49	19.6
36	2.07	64.6	153.4	0.13	34.0	0.06	6.7	387.1	0.22	22.3	1.38	27.1	211.3	0.25	34.4
37	1.12	26.2	205.2	0.72	35.5	0.17	10.4	231.7	0.29	35.7	1.21	22.6	164.5	0.78	43.5
38	3.21	17.0	256.9	4.71	30.2	0.61	20.3	200.2	1.06	37.9	1.10	15.2	172.5	1.66	44.4
39	0.91	12.2	335.6	10.12	24.8	1.04	19.8	247.9	3.66	31.4	1.21	12.8	232.5	4.57	34.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	079	1975	VOLK	RABB	90	080	1974	AMC	MATA	304	081	1974	BUIC	LESA	455
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	5.71	264.0	427.2	0.30	10.3	15.18	468.5	778.7	1.78	5.7	12.62	399.7	1114.4	4.19	5.0
2	0.35	0.0	269.6	0.29	32.8	2.62	41.9	294.7	0.70	24.0	2.58	83.0	459.4	0.37	14.8
3	0.90	90.7	794.8	0.08	9.4	10.71	227.0	967.6	2.51	6.5	12.67	351.5	1231.2	3.01	4.9
4	0.28	34.9	427.8	0.31	18.4	7.66	235.5	563.7	1.36	9.3	7.62	227.0	746.1	2.84	7.9
5	0.28	45.4	344.9	0.53	21.3	7.88	248.5	492.6	1.83	9.8	6.23	199.3	623.4	2.78	9.3
6	0.05	1.1	174.2	0.14	50.4	2.87	27.5	213.9	1.24	35.3	4.68	37.7	255.5	0.70	26.9
7	0.82	109.7	250.3	0.28	20.9	13.56	279.4	696.3	4.96	7.5	9.55	435.9	758.4	1.96	6.0
8	0.23	15.9	186.1	0.30	41.9	4.69	53.6	246.4	1.51	25.7	4.25	49.1	271.4	1.29	24.5
9	0.29	69.9	315.1	0.57	20.8	8.16	250.7	513.7	2.19	9.5	5.86	203.5	675.3	3.71	8.8
10	0.11	6.6	175.8	0.24	47.6	3.32	33.2	225.9	1.20	30.7	6.80	41.5	277.9	1.08	24.3
11	1.57	145.9	310.7	0.42	16.3	11.32	364.3	606.9	2.04	7.3	8.12	314.4	794.2	3.42	6.8
12	0.19	10.8	180.4	0.24	44.8	3.68	43.3	232.5	1.04	28.4	8.01	43.1	294.5	1.01	22.9
13	2.13	156.1	341.9	0.63	14.9	10.77	386.4	612.6	1.79	7.1	7.94	268.6	858.5	4.43	6.8
14	0.19	8.1	172.6	0.25	47.7	2.97	38.6	218.4	1.15	30.8	7.09	37.9	253.4	1.11	26.5
15	0.16	8.4	184.9	0.03	44.7	2.35	21.6	227.1	1.22	33.1	3.24	39.6	330.6	0.50	22.0
16	0.28	0.0	509.1	0.23	17.4	5.71	67.5	526.9	0.70	13.6	9.45	177.8	873.5	0.90	7.5
17	1.27	136.0	381.8	0.55	14.8	11.52	387.9	605.8	1.31	7.1	9.21	289.1	839.5	4.00	6.7
18	0.08	0.0	173.7	0.17	51.0	2.69	16.8	207.4	1.22	36.6	5.94	35.6	275.5	0.62	25.3
19	0.40	78.8	397.9	0.40	17.0	10.11	354.1	566.8	1.36	7.7	8.31	255.8	798.8	3.92	7.2
20	0.07	0.0	207.0	0.18	42.8	3.72	14.2	246.6	1.49	31.6	7.20	48.1	332.4	0.72	20.6
21	2.33	161.8	312.5	0.37	15.5	10.77	372.2	723.3	3.57	6.6	11.14	486.7	851.3	2.50	5.4
22	0.21	9.1	190.0	0.21	43.3	3.45	36.0	236.2	1.11	29.2	7.01	43.8	304.1	1.03	22.5
23	0.70	108.3	520.8	0.24	12.8	10.84	334.3	709.4	1.81	7.0	10.95	285.3	957.6	4.59	6.2
24	0.54	94.8	305.4	0.51	19.5	6.12	290.2	507.1	1.76	9.0	6.23	209.5	664.9	3.45	8.8
25	0.13	10.4	174.3	0.28	46.5	2.68	39.8	217.7	1.14	30.7	6.54	37.1	250.3	1.02	27.0
26	0.11	0.0	259.5	0.06	34.2	3.09	26.6	312.7	2.01	24.4	5.16	65.1	459.2	0.68	15.4
27	1.14	125.9	332.2	0.61	16.6	9.58	340.9	539.4	1.42	8.0	7.26	232.4	739.1	4.20	7.9
28	0.13	6.6	190.7	0.28	44.0	3.38	35.3	252.7	1.32	27.8	7.10	45.2	304.0	0.99	22.3
29	0.36	70.0	511.5	0.19	14.3	8.29	210.3	695.9	2.47	8.4	10.17	253.8	854.7	3.88	6.9
30	0.59	101.9	301.3	0.48	19.2	8.28	285.6	576.7	2.54	8.4	7.64	295.8	703.1	2.71	7.4
31	0.14	12.4	168.1	0.25	47.2	2.77	43.0	215.4	1.11	30.4	6.32	37.6	239.8	0.95	27.8
32	0.09	0.0	259.5	0.11	34.2	3.47	22.9	291.8	1.57	26.2	5.08	66.5	439.4	0.47	15.8
BAG ACT.	0.59	56.0	279.8	0.38	24.0	6.24	156.0	423.8	1.92	12.9	6.22	149.7	531.8	2.42	11.3
CALC.	0.59	57.2	273.1	0.39	24.3	6.21	155.5	414.9	1.87	13.1	6.20	149.8	519.3	2.32	11.5
33	0.06	4.2	61.9	0.02	129.4	0.77	9.0	69.8	0.11	102.7	0.99	27.2	113.1	0.07	55.8
34	0.70	61.7	679.9	0.16	11.4	8.04	81.2	894.1	1.23	8.5	12.10	326.0	1363.1	0.89	4.6
35	0.10	0.0	463.8	0.33	19.1	3.58	22.5	462.6	0.69	17.4	3.82	131.8	754.7	0.36	9.1
36	0.09	0.0	296.7	0.22	29.9	2.45	14.1	331.1	0.62	24.6	2.91	91.8	494.1	0.27	13.7
37	0.07	0.0	247.1	0.77	35.9	2.30	23.3	303.9	2.47	25.5	1.98	48.4	354.8	0.69	20.3
38	0.60	59.4	207.3	0.19	29.3	2.26	21.2	346.3	3.04	22.9	2.36	59.2	388.7	2.55	18.1
39	0.59	39.6	277.7	0.62	26.0	3.25	98.9	391.2	2.23	15.9	3.37	111.7	467.8	4.04	13.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	082	1974	CADI	DEVI	472	083	1974	CHEV	VEGA	140	084	1974	CHEV	MALI	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	6.63	309.1	1258.8	1.89	5.0	6.00	215.6	680.4	2.92	8.5	14.19	474.4	919.9	1.32	5.2
2	0.87	23.6	488.6	0.34	16.8	2.22	68.2	150.0	0.15	33.6	1.62	37.1	430.8	0.32	17.7
3	5.21	175.6	1498.0	1.79	5.0	7.70	295.1	576.7	0.98	8.3	8.49	162.4	1228.3	1.94	5.9
4	3.29	151.4	909.9	1.35	7.7	3.70	144.9	422.4	0.93	13.4	4.73	118.9	714.0	1.61	9.7
5	2.41	119.7	795.0	1.40	9.0	3.27	119.2	365.1	1.82	15.8	6.34	217.2	567.1	1.15	9.6
6	1.67	17.2	371.0	0.34	22.0	1.30	47.2	101.0	0.13	49.5	0.91	11.6	263.7	0.41	31.2
7	4.76	272.6	970.5	2.90	6.3	4.95	230.4	434.4	1.45	10.9	13.59	465.9	690.9	1.12	6.1
8	1.59	26.5	461.3	0.47	17.5	1.41	48.6	169.5	0.36	35.5	1.30	25.0	288.4	0.67	26.7
9	2.32	152.3	856.4	1.33	8.0	3.59	155.0	361.3	1.23	14.4	7.44	302.1	568.0	1.22	8.3
10	2.37	15.1	409.9	0.37	20.1	2.63	39.7	131.6	0.24	43.9	0.85	20.8	297.1	0.54	26.7
11	4.29	275.3	1014.5	1.87	6.1	5.34	265.0	453.0	1.24	10.1	12.16	500.6	638.4	0.77	6.1
12	3.73	20.7	437.4	0.39	18.4	3.42	48.1	124.2	0.19	42.1	1.02	20.9	315.3	0.51	25.3
13	4.26	264.9	1079.2	2.07	5.9	5.22	245.5	477.4	1.48	10.1	12.23	495.9	664.7	0.92	6.0
14	2.65	15.9	393.6	0.36	20.8	1.98	46.6	125.9	0.20	43.2	0.84	18.9	262.2	0.50	28.2
15	0.50	20.7	399.9	0.27	20.4	1.47	43.8	125.3	0.16	44.6	0.95	24.8	331.7	0.23	23.8
16	1.78	39.2	895.0	0.58	9.2	3.03	86.1	330.7	0.26	18.7	3.14	90.9	876.0	0.56	8.6
17	4.90	248.1	1054.7	1.78	6.1	4.41	169.3	527.8	2.20	11.0	13.41	494.8	646.1	0.67	6.1
18	2.35	15.3	376.0	0.29	21.8	3.32	56.6	90.4	0.09	46.8	0.86	15.5	279.3	0.34	29.0
19	4.40	219.7	969.1	1.79	6.7	3.79	139.9	403.9	1.99	12.2	9.37	345.6	660.7	1.10	7.2
20	2.30	17.7	430.9	0.32	19.0	4.26	67.8	109.4	0.10	38.7	1.09	23.2	340.8	0.33	23.3
21	5.98	361.1	1136.3	3.09	5.2	6.88	299.1	547.7	2.25	8.5	15.12	622.8	736.5	0.90	5.0
22	3.34	22.0	430.7	0.37	18.7	5.07	59.5	118.1	0.16	39.0	1.02	23.5	317.8	0.44	24.8
23	4.67	202.6	1233.7	2.02	5.7	5.37	189.0	606.3	1.91	9.6	7.44	202.1	894.7	1.90	7.2
24	3.24	201.7	852.7	1.46	7.5	4.12	195.8	357.6	1.23	13.1	9.27	376.8	537.7	0.70	7.7
25	3.16	19.5	394.1	0.36	20.4	2.37	60.1	127.7	0.20	38.6	0.89	22.5	278.9	0.43	28.0
26	0.82	30.1	556.0	0.37	14.7	2.26	52.7	175.2	0.26	33.5	1.37	38.7	454.9	0.31	17.1
27	3.93	233.3	968.3	1.54	6.6	3.83	163.4	463.7	1.70	12.1	11.60	459.4	576.2	0.63	6.6
28	2.75	19.4	432.1	0.36	18.8	4.32	60.2	124.9	0.16	38.1	1.02	24.8	326.4	0.43	24.1
29	4.16	189.3	1128.7	1.71	6.2	5.23	199.5	508.6	1.15	10.6	7.29	220.2	797.0	1.15	7.6
30	4.08	247.6	897.8	1.78	6.8	4.79	217.3	391.9	1.40	11.9	11.29	440.3	599.1	0.80	6.7
31	3.20	22.6	401.8	0.36	19.8	2.05	77.9	149.6	0.23	31.9	1.01	23.8	276.0	0.41	28.0
32	0.89	26.6	505.3	0.31	16.1	2.84	84.5	143.5	0.15	31.1	1.19	35.0	449.0	0.29	17.5
BAG ACT.	2.66	112.9	719.9	0.99	9.8	3.77	127.1	287.4	0.76	17.8	5.52	189.7	488.2	0.73	11.0
CALC.	2.65	112.3	720.5	1.00	9.8	3.71	125.7	285.8	0.77	17.9	5.37	189.1	478.9	0.75	11.2
33	0.31	2.9	108.8	0.07	77.6	0.44	14.6	46.5	0.05	125.3	0.98	11.2	113.2	0.15	66.2
34	3.37	31.6	1369.7	0.77	6.2	4.76	132.9	443.6	0.46	13.3	9.60	99.1	1418.0	1.65	5.5
35	1.44	10.1	666.1	0.35	12.9	2.20	56.3	241.7	0.25	26.3	2.59	32.5	744.4	0.60	11.0
36	1.09	20.2	629.0	0.43	13.4	1.11	15.7	297.8	0.52	27.2	2.10	25.4	474.4	0.41	17.0
37	0.75	34.3	476.4	0.39	16.7	1.04	10.6	206.4	0.95	39.2	1.50	21.1	386.0	0.36	20.9
38	0.29	19.6	607.1	0.59	13.9	1.60	35.5	207.5	0.61	33.1	1.42	12.3	395.0	1.06	21.2
39	0.18	26.5	729.8	0.79	11.5	1.59	45.6	308.1	0.82	23.1	1.51	31.0	454.3	1.77	17.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	085	1974	CHEV	NOVA	250	086	1974	CHEV	NOVA	350	087	1974	CHEV	VETT	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	23.33	339.8	803.9	1.20	6.3	8.89	336.6	745.4	1.88	6.8	15.07	380.8	847.6	0.99	5.9
2	0.94	14.9	359.0	0.15	23.0	0.72	52.0	369.3	0.17	19.5	4.86	93.0	301.7	0.14	19.2
3	3.23	93.2	1147.8	1.13	6.8	12.27	413.2	855.3	0.57	5.7	23.83	428.8	942.0	0.26	5.2
4	2.95	133.4	738.2	0.72	9.3	4.38	202.3	574.3	0.78	9.8	8.54	243.3	588.1	0.54	8.9
5	2.14	94.5	476.0	0.87	14.1	3.67	151.4	472.6	1.48	12.3	4.47	129.2	547.2	1.01	11.6
6	0.36	3.9	216.7	0.11	39.6	0.64	22.0	249.4	0.25	31.0	2.11	47.4	205.5	0.29	31.0
7	4.83	220.9	429.6	0.57	11.2	8.21	417.0	499.1	0.83	7.5	9.19	333.7	588.1	0.83	7.8
8	1.23	4.8	206.3	0.21	40.7	1.43	30.1	252.2	0.71	29.2	2.35	44.6	228.8	0.86	29.0
9	2.43	95.5	515.2	1.62	13.2	4.38	197.0	457.7	1.63	11.4	5.07	119.3	565.8	2.15	11.5
10	1.09	2.5	216.7	0.21	39.6	1.77	17.4	243.1	0.47	32.2	5.72	50.9	215.3	0.61	28.3
11	9.91	278.6	443.0	0.55	9.7	9.46	450.1	455.7	0.69	7.4	8.20	266.6	627.4	1.70	8.3
12	1.32	4.4	224.7	0.18	37.6	2.99	18.2	247.3	0.52	31.1	6.76	52.9	216.4	0.66	27.7
13	10.27	310.8	469.0	0.63	9.0	9.36	416.5	495.3	1.15	7.5	8.00	231.3	673.9	1.96	8.4
14	1.13	3.2	200.9	0.20	42.4	2.05	18.8	231.2	0.53	33.2	3.39	49.6	212.8	0.61	29.4
15	1.13	2.2	339.9	0.15	25.6	0.41	24.6	298.3	0.16	26.2	2.89	63.8	235.7	0.13	25.7
16	0.78	6.4	848.3	0.37	10.3	1.21	78.9	734.7	0.29	10.3	11.74	233.5	510.7	0.10	9.7
17	12.52	341.5	529.2	0.76	8.0	8.59	330.9	537.4	1.14	8.2	8.63	225.7	681.9	1.43	8.3
18	0.48	3.2	238.2	0.11	36.3	0.86	16.8	252.4	0.20	31.5	3.65	54.7	202.3	0.22	29.6
19	8.00	241.4	538.5	0.78	9.4	6.88	316.5	534.4	1.01	8.4	7.57	236.5	646.2	1.14	8.5
20	0.37	5.0	285.5	0.13	30.1	1.48	19.5	283.3	0.23	27.9	5.59	68.2	245.7	0.25	23.9
21	11.75	315.3	421.5	0.51	9.3	11.59	561.3	531.6	0.71	6.1	10.39	352.3	687.8	1.46	7.0
22	1.58	3.7	224.4	0.18	37.7	2.91	18.1	247.0	0.39	31.2	7.00	58.5	224.2	0.60	26.2
23	5.36	161.8	846.4	1.27	7.9	6.98	253.3	674.8	1.51	8.1	13.07	319.1	732.4	0.74	7.0
24	3.11	142.3	489.1	1.07	12.3	6.08	276.8	435.2	1.01	10.0	5.11	145.3	577.4	1.64	10.8
25	1.06	3.2	186.3	0.15	45.6	2.19	20.5	222.2	0.51	34.0	3.71	48.0	200.0	0.61	30.9
26	0.33	7.8	377.1	0.17	22.7	0.59	32.9	390.6	0.21	20.0	4.47	86.8	328.1	0.15	18.5
27	5.34	174.8	523.7	0.98	10.9	6.77	285.3	478.1	1.25	9.4	7.23	207.5	599.5	1.70	9.4
28	1.01	3.7	242.0	0.15	35.4	2.11	20.8	262.1	0.50	29.5	7.04	64.2	229.6	0.53	25.2
29	5.05	142.5	788.2	0.95	8.6	5.43	190.1	648.1	1.65	9.2	10.74	256.6	673.9	0.66	8.0
30	5.80	250.1	456.2	0.62	10.2	7.33	361.6	468.6	0.94	8.4	7.15	272.3	552.9	0.89	8.8
31	1.30	4.8	190.8	0.15	43.8	2.33	19.8	219.9	0.55	34.3	2.82	50.8	204.7	0.60	30.2
32	0.37	7.6	381.2	0.16	22.5	0.73	29.4	364.8	0.20	21.5	6.62	98.2	293.9	0.14	18.9
BAG ACT.	3.10	94.9	409.9	0.47	15.6	4.16	153.8	395.6	0.78	13.6	6.76	139.2	429.3	1.13	13.3
CALC.	3.21	94.0	399.1	0.48	15.9	4.05	153.9	390.1	0.80	13.8	6.69	134.0	422.2	1.06	13.6
33	0.13	3.0	92.3	0.04	91.1	0.65	17.9	71.8	0.05	87.0	1.86	23.6	62.0	0.02	84.5
34	6.44	3.5	997.1	1.65	8.7	6.19	176.5	918.0	0.59	7.3	28.01	336.8	856.5	0.25	6.0
35	0.78	4.7	717.1	0.52	12.2	1.52	83.8	624.6	0.32	11.7	14.08	211.6	493.2	0.16	10.2
36	0.28	12.1	681.5	0.45	12.7	1.23	59.3	396.9	0.21	18.0	9.76	205.1	424.1	0.18	11.4
37	0.24	9.6	298.1	0.22	28.3	0.43	36.5	346.9	0.23	21.9	2.52	72.5	344.0	0.24	19.0
38	0.06	7.0	349.0	0.28	24.6	0.57	32.5	349.1	0.64	22.1	2.98	68.4	354.9	0.68	18.8
39	0.07	7.4	395.2	0.64	21.8	0.82	42.3	403.4	1.73	18.8	3.86	92.5	425.7	2.19	15.2

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH 088	YEAR 1974	MAKE CHEV	MODL IMPA	CID 400	VEH 089	YEAR 1974	MAKE CHRY	MODL NEWP	CID 400	VEH 090	YEAR 1974	MAKE DODG	MODL CORO	CID 318
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	8.38	337.9	1050.5	2.38	5.5	11.78	298.4	1047.5	7.71	6.3	10.97	167.9	946.8	12.89	7.1
2	0.80	39.7	461.2	0.19	16.9	9.01	119.2	427.7	0.42	13.8	6.44	107.5	252.9	0.31	20.1
3	6.75	287.5	1285.0	0.95	5.0	12.45	284.5	1174.8	2.08	5.3	16.93	368.2	932.6	2.29	5.7
4	3.59	118.7	757.7	1.45	9.3	8.14	118.9	710.3	4.07	9.6	6.96	115.8	673.0	6.22	10.1
5	3.62	118.2	610.3	2.06	11.0	3.52	57.3	620.6	6.20	12.3	4.61	36.4	611.7	12.22	13.0
6	0.78	24.4	284.5	0.22	27.3	5.53	41.9	252.5	0.93	26.4	2.34	25.9	195.1	1.58	36.5
7	7.45	361.8	700.1	1.47	6.9	5.47	115.8	752.5	8.35	9.3	5.42	55.2	786.3	16.05	10.0
8	1.09	23.2	315.6	0.97	24.9	2.33	26.2	295.0	1.76	25.8	1.90	11.5	231.4	3.51	34.7
9	5.40	261.1	569.6	1.35	8.9	2.95	39.2	630.0	8.58	12.7	3.46	12.0	641.8	13.84	13.2
10	0.70	17.5	304.8	0.67	26.5	11.03	41.3	253.3	1.28	25.1	3.72	33.5	197.2	2.14	33.9
11	8.71	430.3	665.2	0.95	6.5	5.07	93.9	772.2	9.96	9.5	4.77	30.3	794.6	18.17	10.4
12	0.88	19.6	335.9	0.74	24.0	13.62	45.7	279.8	1.60	22.5	4.90	37.8	203.6	2.43	31.9
13	9.09	427.4	711.2	1.19	6.3	4.84	80.1	828.2	10.98	9.2	5.30	34.5	821.3	18.33	9.9
14	0.76	17.0	300.1	0.75	27.0	8.33	34.0	245.7	1.56	27.3	3.69	24.8	191.6	2.41	36.6
15	0.67	30.5	347.9	0.13	22.3	8.00	87.4	294.3	0.34	18.8	5.11	67.2	191.0	0.41	28.4
16	0.94	62.2	923.2	0.30	8.7	14.79	283.5	817.8	0.70	8.8	18.91	243.6	483.1	0.10	9.6
17	7.02	286.9	788.8	2.06	7.0	6.09	108.0	820.7	8.45	8.8	7.47	53.3	828.0	15.62	9.5
18	0.61	16.9	302.2	0.25	26.8	13.27	53.2	251.1	0.73	23.6	4.04	40.3	188.9	1.08	33.5
19	5.15	201.2	756.5	2.22	8.1	6.31	93.8	760.9	7.75	8.6	5.76	48.7	779.8	15.27	10.1
20	0.78	25.0	367.7	0.25	21.7	14.49	72.5	310.9	0.73	18.9	4.41	55.3	239.5	1.28	26.1
21	10.70	528.8	771.7	1.16	5.4	7.53	179.1	851.9	9.00	7.7	5.76	47.5	919.7	20.92	8.8
22	0.83	20.8	342.9	0.64	23.5	12.34	53.6	285.1	1.28	21.7	4.52	40.4	212.5	2.30	30.6
23	6.79	204.3	991.9	2.69	6.7	9.06	212.7	911.3	4.54	7.0	8.41	115.8	886.8	11.44	8.1
24	6.35	297.4	587.0	1.18	8.3	4.10	87.1	633.2	7.14	11.3	4.00	20.7	666.3	15.19	12.5
25	0.83	18.7	297.7	0.68	26.9	10.65	32.2	239.5	1.45	27.4	3.41	23.0	189.1	2.44	37.6
26	0.88	38.6	486.8	0.19	16.1	14.41	142.7	416.0	0.64	12.9	5.15	102.0	274.2	0.46	19.7
27	7.64	340.5	645.7	1.29	7.4	8.24	170.1	677.1	6.08	9.1	4.52	29.2	729.0	15.90	11.2
28	0.72	22.2	345.8	0.62	23.2	11.90	55.8	279.4	1.46	21.9	4.30	43.0	213.9	2.36	30.1
29	4.88	154.5	899.7	2.11	7.7	11.87	260.0	792.1	2.75	7.2	7.68	121.4	784.3	7.73	8.9
30	7.27	352.0	618.2	1.16	7.4	4.66	101.3	676.1	8.11	10.4	4.40	26.5	720.8	16.69	11.4
31	0.93	20.9	295.0	0.75	26.8	8.97	36.3	241.7	1.38	27.1	3.58	19.9	192.6	2.75	37.7
32	0.75	37.6	477.4	0.19	16.5	18.17	140.6	394.0	0.57	13.2	5.20	107.6	254.6	0.32	20.2
BAG ACT.	3.37	146.7	519.9	1.17	11.7	7.26	79.4	519.8	4.13	13.3	4.41	45.8	465.7	6.84	16.1
CALC.	3.51	146.4	515.9	1.11	11.7	6.95	80.7	510.1	4.14	13.5	4.44	45.1	463.4	7.75	16.2
33	0.31	16.3	108.1	0.06	65.9	2.02	35.2	106.5	0.10	52.8	1.71	37.0	62.1	0.06	70.7
34	3.53	193.6	1329.0	0.68	5.4	23.00	416.0	1250.9	0.79	4.5	18.46	432.0	764.8	0.48	5.9
35	0.77	65.4	770.9	0.34	10.1	9.25	191.4	638.7	0.46	9.2	8.10	211.6	469.4	0.34	10.7
36	0.51	43.6	513.9	0.23	15.2	7.74	143.7	446.7	0.21	12.7	5.27	138.1	338.8	0.29	15.5
37	1.04	44.3	380.0	0.22	19.6	3.34	58.3	319.1	0.72	21.1	3.51	71.0	260.8	1.03	23.1
38	1.17	20.7	420.4	1.24	19.4	2.43	33.5	381.3	2.86	20.1	2.52	24.4	324.9	3.32	23.9
39	1.67	37.9	508.3	3.26	15.5	1.88	30.9	439.8	5.52	18.0	2.58	11.5	401.8	8.28	20.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	091	1974	FORD	STAW	122	092	1974	FORD	MAVE	302	093	1974	FORD	MAVE	250
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	6.23	144.0	517.4	3.14	11.6	10.82	184.1	832.5	2.96	7.7	7.31	231.7	780.7	1.81	7.6
2	1.92	33.1	159.3	0.64	40.8	3.50	67.1	283.8	0.18	22.2	2.07	41.7	252.5	0.28	27.3
3	10.21	198.1	695.2	1.36	8.5	11.20	264.7	841.2	0.68	6.9	7.69	223.1	839.2	0.94	7.3
4	4.26	71.9	410.9	3.75	16.5	6.26	126.5	601.3	1.24	10.8	4.66	142.9	535.2	0.88	11.5
5	3.31	55.1	359.3	4.93	19.4	5.49	74.3	536.9	2.50	13.2	3.84	110.5	469.0	1.43	13.6
6	1.14	14.1	114.0	1.51	63.5	1.65	26.3	207.7	0.36	34.8	1.30	28.0	137.6	0.22	47.8
7	3.14	84.5	307.8	2.11	19.7	8.02	205.1	605.4	1.88	9.3	5.47	197.3	529.1	2.29	10.4
8	1.14	17.6	131.4	2.14	54.6	2.39	34.6	219.1	0.95	31.6	1.70	32.6	156.3	0.74	41.7
9	2.92	62.7	352.2	5.00	19.3	5.12	77.1	540.1	3.85	13.1	4.27	138.7	470.6	2.45	12.6
10	1.25	18.0	124.7	1.75	56.5	3.85	40.5	205.9	0.63	31.5	2.09	37.3	158.9	0.46	39.6
11	6.33	106.7	364.3	2.72	16.1	7.93	180.3	595.3	2.71	9.8	5.80	202.6	558.1	2.81	9.9
12	1.37	18.9	125.2	1.82	55.7	5.60	42.2	214.4	0.73	29.7	2.56	39.5	157.4	0.53	39.0
13	6.56	130.0	404.6	3.12	14.1	8.17	155.1	638.7	3.64	9.8	6.02	204.5	581.4	2.64	9.6
14	1.15	17.7	119.9	1.78	58.6	3.90	38.4	197.8	0.64	32.8	2.21	37.3	142.7	0.50	42.6
15	1.90	28.2	115.8	0.33	53.4	2.33	30.0	221.1	0.20	32.2	1.75	36.4	176.3	0.17	37.1
16	3.25	48.4	292.9	0.38	23.4	7.30	157.0	482.6	0.19	11.8	5.87	168.3	439.4	0.20	12.3
17	9.57	176.9	406.7	2.16	12.4	7.92	149.1	647.1	2.86	9.8	5.68	164.5	604.2	2.28	10.1
18	1.45	16.2	108.2	1.31	64.2	3.28	37.1	199.7	0.27	33.1	1.82	37.1	149.4	0.15	41.6
19	6.22	165.1	388.8	2.37	13.3	6.81	120.7	609.4	2.79	10.8	4.98	125.2	600.0	2.94	10.9
20	1.66	20.6	122.8	1.28	55.3	4.22	47.7	230.7	0.31	27.8	2.21	45.1	175.6	0.22	35.0
21	7.79	125.2	360.1	2.33	15.3	10.27	264.6	658.0	2.30	8.0	7.30	266.9	653.9	3.36	8.1
22	1.83	24.5	118.2	1.26	54.6	5.40	47.4	215.0	0.59	29.0	2.56	43.8	164.9	0.50	36.7
23	8.34	173.5	506.1	3.43	11.0	9.54	188.8	710.4	1.75	8.6	6.29	172.9	675.3	1.71	9.2
24	3.58	67.1	354.0	3.72	17.7	5.84	108.2	537.6	2.81	12.2	4.71	162.5	461.7	2.03	12.1
25	1.09	17.6	115.6	1.76	60.5	4.45	38.4	186.7	0.62	34.0	2.20	36.0	135.9	0.48	44.5
26	2.33	37.3	147.4	0.33	41.6	3.65	49.9	310.6	0.24	22.2	2.58	55.9	242.4	0.24	26.2
27	5.67	145.7	361.7	2.40	14.6	6.84	128.2	572.5	3.07	11.2	5.34	179.9	516.3	2.20	10.9
28	2.18	25.4	127.3	1.35	51.0	5.13	50.9	220.5	0.57	28.0	2.40	49.5	170.0	0.41	34.7
29	7.32	151.9	450.1	2.85	12.5	8.19	167.3	650.2	1.31	9.5	5.69	161.7	598.8	1.18	10.2
30	3.95	88.9	352.7	3.31	17.6	7.73	202.8	530.4	1.51	10.2	5.52	206.7	491.9	1.89	10.6
31	1.14	20.0	114.3	1.55	59.4	3.49	37.3	181.4	0.61	35.3	2.15	35.4	127.3	0.45	46.8
32	2.54	35.4	130.0	0.37	45.8	3.78	60.2	290.2	0.18	22.4	2.74	62.0	231.3	0.19	26.3
BAG ACT.	3.88	70.6	255.9	2.29	23.4	5.54	94.5	401.2	1.65	15.6	3.56	97.3	353.0	1.40	17.2
CALC.	3.85	70.3	251.8	2.22	23.7	5.57	93.2	403.3	1.63	15.6	3.60	99.8	345.8	1.36	17.3
33	0.35	10.3	29.8	0.03	188.5	1.02	23.8	62.1	0.03	86.4	0.67	18.3	57.5	0.05	100.5
34	1.48	12.3	546.5	0.38	15.6	11.29	256.2	775.1	0.39	7.3	7.46	195.5	766.6	0.53	8.1
35	3.61	85.0	406.1	0.46	16.1	5.17	117.8	392.6	0.21	14.9	3.36	78.7	406.3	0.28	16.4
36	2.16	50.4	238.2	0.29	27.4	3.44	79.5	368.6	0.22	17.6	2.04	44.6	284.6	0.20	24.6
37	2.05	47.2	193.8	0.71	32.3	2.19	31.9	316.6	0.39	23.8	1.53	26.7	244.1	0.40	30.5
38	1.77	29.4	202.2	2.85	34.9	2.68	48.2	327.5	0.73	21.6	2.02	56.2	258.4	0.63	25.1
39	1.90	41.0	252.1	3.97	27.5	3.92	73.3	353.5	1.83	18.4	2.78	61.3	292.2	1.86	22.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	094	1974	FORD	GALA	400	095	1974	FORD	TORI	351	096	1974	MERC	COME	302
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	9.62	305.0	967.9	4.25	6.0	9.31	220.8	942.0	5.12	6.7	12.47	351.8	807.0	2.48	6.3
2	4.60	89.7	229.7	0.23	23.0	4.26	110.5	261.2	0.28	18.9	6.01	96.9	182.6	0.14	25.1
3	15.69	477.9	1011.2	1.02	4.9	12.68	427.5	818.8	1.21	5.8	14.93	459.1	772.5	0.77	5.8
4	5.25	161.6	709.6	1.78	9.1	5.75	180.2	638.2	2.39	9.8	8.45	248.7	531.4	1.10	9.4
5	3.93	107.2	634.7	3.24	10.9	4.31	82.1	603.4	3.73	11.9	5.34	151.1	512.1	2.18	11.6
6	1.30	25.2	226.8	1.02	32.6	2.10	29.6	200.3	1.51	35.0	2.07	42.5	128.1	0.20	44.1
7	5.22	154.4	821.2	10.18	8.2	6.66	215.5	704.5	4.06	8.3	8.84	324.3	669.1	2.51	7.4
8	1.64	29.5	261.3	1.63	28.4	1.77	29.6	241.3	1.01	30.3	2.36	37.5	141.5	0.66	42.7
9	3.65	76.4	648.0	7.13	11.4	4.58	101.2	625.8	5.42	11.1	6.19	206.9	519.7	2.07	10.3
10	4.21	31.0	228.3	1.07	30.6	4.23	45.6	210.6	0.99	30.0	4.90	43.0	137.7	0.44	40.2
11	5.16	120.3	813.8	11.33	8.7	6.66	197.0	701.5	4.71	8.6	8.19	280.6	609.7	2.38	8.2
12	5.26	34.2	226.2	1.21	29.9	5.93	50.8	220.0	0.84	27.8	5.80	43.5	127.9	0.50	41.4
13	5.46	126.2	829.5	10.48	8.5	6.61	171.1	759.1	5.78	8.5	8.11	250.9	687.4	3.13	8.3
14	3.41	33.5	224.3	1.22	30.8	4.29	40.4	205.9	0.66	31.4	4.57	40.7	139.3	0.49	40.8
15	2.35	47.8	205.1	0.30	30.9	2.68	74.2	215.4	0.24	26.1	2.86	57.2	149.0	0.13	35.8
16	6.91	170.3	370.8	0.30	13.4	9.70	315.5	439.6	0.20	9.2	7.76	198.2	349.2	0.20	13.0
17	6.71	204.5	788.5	4.71	7.8	6.44	141.1	772.8	5.32	8.7	8.16	229.8	654.4	3.12	8.5
18	2.62	29.9	208.4	0.81	33.7	3.90	49.4	200.0	1.03	30.6	4.50	47.7	131.4	0.20	40.2
19	5.59	154.7	736.5	5.21	8.9	6.41	178.7	684.9	3.41	9.0	7.49	224.2	633.2	2.66	8.8
20	4.42	33.9	228.7	0.87	30.0	4.67	66.6	226.7	0.92	25.4	6.99	56.6	151.4	0.19	33.8
21	6.76	208.7	906.2	11.12	7.1	8.16	262.7	791.9	4.51	7.2	10.35	364.0	730.3	2.82	6.6
22	5.41	37.0	239.4	1.21	28.2	5.21	57.3	219.8	0.70	27.2	5.56	48.4	144.0	0.50	37.3
23	8.65	265.9	826.3	2.54	7.0	8.02	221.3	799.6	2.98	7.6	9.14	245.5	709.7	2.31	7.9
24	4.08	99.5	677.5	6.84	10.5	4.69	106.0	635.6	5.13	10.9	6.21	201.9	529.1	2.25	10.2
25	2.13	31.7	225.6	1.25	31.5	3.84	36.9	198.2	0.97	33.1	3.95	37.8	130.7	0.49	43.8
26	3.41	64.7	255.1	0.34	24.2	4.16	108.0	296.0	0.34	18.7	3.92	73.7	208.1	0.19	26.4
27	5.12	128.2	728.0	7.13	9.4	5.40	117.1	694.6	5.48	9.9	6.91	197.9	590.0	3.42	9.6
28	5.50	41.3	235.3	1.03	27.9	5.14	60.2	223.8	0.95	26.5	5.27	53.4	151.6	0.41	35.2
29	7.72	245.3	751.5	1.74	7.6	7.66	225.0	704.6	2.62	8.2	8.37	235.7	632.5	1.74	8.6
30	4.42	113.0	749.9	9.67	9.4	6.09	194.7	635.3	3.28	9.2	7.60	272.9	572.8	1.72	8.7
31	1.65	33.1	231.7	1.33	30.7	3.77	36.9	200.8	0.83	32.8	3.85	33.1	111.9	0.43	50.4
32	5.18	61.5	243.6	0.38	24.9	4.79	112.4	280.8	0.33	18.8	4.72	80.8	195.5	0.19	26.3
BAG ACT.	4.89	84.0	501.8	3.86	13.7	4.96	100.6	459.2	2.54	14.0	5.71	134.9	374.6	1.52	14.7
CALC.	4.86	86.7	493.5	4.00	13.8	4.91	102.8	453.6	2.50	14.1	5.68	134.2	362.7	1.48	15.0
33	0.75	18.9	51.0	0.03	106.9	1.02	34.5	58.2	0.04	76.8	1.03	25.2	47.9	0.03	97.8
34	9.78	209.1	631.9	0.31	9.0	11.86	398.7	776.0	0.49	6.2	10.80	276.1	609.4	0.31	8.2
35	4.01	82.6	456.4	0.27	14.8	5.28	191.8	513.7	0.35	10.7	3.86	99.9	362.5	0.20	16.7
36	2.49	39.5	382.6	0.29	19.6	3.50	132.9	356.7	0.26	15.4	3.69	118.6	324.1	0.22	17.0
37	1.13	12.8	423.6	1.04	19.8	2.26	57.4	308.7	0.51	21.9	1.90	42.6	294.5	0.38	24.2
38	1.84	38.0	416.6	2.13	18.4	3.01	31.9	357.9	5.37	21.3	2.14	47.4	316.9	0.86	22.3
39	2.76	69.0	452.6	2.70	15.6	3.44	56.8	434.0	3.89	16.6	3.16	71.1	339.2	2.52	19.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	097	1974	OLDS	CUTL	350	098	1974	OLDS	NNTY	455	099	1974	PLYM	SATE	318
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	9.58	306.3	953.1	2.70	6.1	8.48	240.4	1153.0	5.40	5.7	8.17	132.4	999.1	6.90	7.2
2	2.41	40.0	371.2	0.75	20.1	3.01	10.5	347.0	1.72	23.8	2.59	42.9	245.8	0.28	27.6
3	8.31	178.5	1163.4	1.82	6.0	9.42	102.2	1313.8	3.69	5.9	8.54	176.2	1027.6	1.37	6.7
4	5.21	125.7	683.8	2.46	9.9	5.70	142.0	759.0	2.53	8.9	5.37	102.6	649.9	2.55	10.7
5	4.39	61.1	576.4	5.58	12.9	3.91	68.8	709.3	7.16	10.7	4.78	70.5	574.1	4.10	12.7
6	1.84	23.4	225.0	1.70	33.2	1.34	16.2	222.8	1.41	35.2	1.91	22.0	161.8	0.55	43.8
7	49.25	320.4	532.7	1.86	7.4	8.06	421.4	729.9	2.73	6.3	7.13	170.5	728.8	5.26	8.7
8	7.74	20.8	255.1	2.13	28.4	1.28	9.4	254.3	2.46	32.5	1.67	19.6	184.2	0.77	40.3
9	6.97	176.1	532.3	3.99	10.7	3.65	55.4	712.3	9.61	10.9	4.20	41.4	624.2	5.89	12.6
10	2.85	16.5	242.4	2.09	32.0	3.47	7.6	232.9	1.82	34.7	4.03	25.0	177.6	0.65	38.6
11	8.95	325.4	618.9	2.51	7.7	6.70	292.2	771.0	4.18	7.1	6.38	117.6	730.0	5.89	9.5
12	2.96	19.7	261.4	2.59	29.4	3.66	7.8	247.9	1.98	32.7	5.02	23.3	169.1	0.66	40.0
13	8.07	269.2	698.1	4.11	7.7	6.55	243.9	845.7	6.45	7.1	6.22	91.1	772.3	7.37	9.5
14	2.30	14.2	227.6	2.46	34.5	2.28	10.3	224.3	1.83	35.8	3.60	21.0	172.5	0.79	40.9
15	1.84	23.0	271.0	0.54	28.4	2.13	1.9	266.8	1.48	32.1	1.93	15.0	213.3	0.40	36.5
16	5.15	85.7	704.6	0.50	10.4	5.01	0.0	682.1	0.70	12.7	4.50	57.2	537.0	0.40	13.8
17	6.79	179.0	756.6	4.65	8.4	5.63	136.3	897.2	6.91	7.9	6.33	88.1	784.4	7.08	9.4
18	1.84	21.3	242.2	1.68	31.5	2.08	16.8	227.0	1.19	34.1	3.15	26.0	152.4	0.34	43.7
19	6.07	160.8	698.9	4.07	9.1	5.08	102.7	847.0	7.11	8.7	6.04	88.4	736.9	6.77	9.9
20	2.23	27.0	284.9	1.59	26.5	3.59	17.7	264.4	1.26	29.2	3.75	28.0	188.0	0.41	36.4
21	33.71	541.0	658.6	1.40	5.5	10.77	567.8	781.4	2.76	5.2	7.89	164.0	969.3	7.21	7.1
22	3.03	23.7	259.7	2.00	29.0	4.62	9.0	244.9	1.63	32.4	4.62	24.0	223.9	0.66	32.1
23	6.66	106.7	928.7	6.21	7.9	7.64	128.4	993.0	6.76	7.3	7.34	113.3	838.7	4.61	8.5
24	5.89	178.0	549.6	4.30	10.5	4.07	108.6	711.9	6.56	9.9	4.75	54.8	633.3	6.70	12.1
25	2.44	15.1	224.8	2.56	34.6	1.68	12.1	218.4	1.78	36.6	3.11	19.8	168.2	0.83	42.4
26	2.35	36.1	390.0	0.64	19.5	3.00	2.7	370.1	2.09	23.1	2.70	20.1	269.4	0.63	28.7
27	5.87	155.7	666.2	5.75	9.5	4.52	97.2	813.3	8.46	9.1	5.11	55.3	714.6	7.60	10.9
28	2.37	21.0	259.6	2.09	29.6	4.16	11.6	248.9	1.54	31.7	4.20	24.7	196.0	0.71	35.8
29	5.94	103.9	832.6	5.03	8.7	6.74	130.8	889.6	5.02	7.9	6.91	114.5	757.9	3.28	9.2
30	7.54	271.6	565.5	2.82	8.7	6.73	339.7	672.8	3.38	7.2	5.34	65.5	705.0	8.95	10.8
31	2.47	14.3	225.6	2.78	34.7	1.35	12.2	215.1	2.02	37.2	2.62	17.5	159.7	0.70	45.4
32	2.29	38.0	374.8	0.53	20.1	3.33	2.7	358.2	1.66	23.8	2.59	22.6	265.2	0.42	28.7
BAG ACT.	9.06	109.2	459.0	3.41	13.5	4.47	88.5	525.9	4.11	13.1	4.33	50.6	446.4	3.07	16.4
CALC.	8.31	107.3	454.6	3.33	13.7	4.41	85.0	508.8	4.00	13.5	4.40	53.2	453.5	3.04	16.1
33	0.67	12.5	90.6	0.08	79.0	0.65	2.6	95.3	0.21	87.4	0.56	8.0	65.5	0.05	111.2
34	8.54	163.8	1113.7	1.25	6.3	7.54	23.1	1126.1	1.72	7.5	6.25	77.9	841.6	0.51	9.0
35	4.27	96.4	587.7	0.35	11.8	3.55	7.3	563.0	0.78	15.2	3.13	39.4	428.5	0.25	17.7
36	2.81	56.2	424.3	0.32	17.0	2.59	7.7	424.8	0.45	19.9	2.40	34.1	337.4	0.24	22.3
37	2.37	21.7	317.1	1.61	24.7	2.04	18.4	323.5	1.55	24.7	2.33	12.1	295.3	1.77	27.6
38	2.52	12.8	361.9	4.26	22.8	2.13	28.2	377.9	2.97	20.7	2.83	34.0	327.9	2.12	22.7
39	2.57	9.1	450.2	8.35	18.8	2.20	31.3	485.2	5.36	16.4	3.16	30.4	406.2	3.45	19.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	100	1974	PLYM	DUST	225	101	1974	PONT	FIRE	350	102	1974	DATS	STAW	119
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	34.38	407.9	546.6	0.83	6.8	6.06	148.0	1181.5	6.63	6.2	5.61	137.5	514.4	2.59	11.9
2	3.15	48.7	214.1	0.31	29.5	1.00	20.2	348.5	0.28	23.1	1.56	12.2	157.3	0.38	48.9
3	9.97	285.9	924.5	1.40	6.3	5.22	96.0	1309.2	2.32	6.0	7.58	87.0	776.1	2.23	9.5
4	6.40	186.7	449.9	0.86	11.6	2.31	33.8	655.9	4.57	9.7	3.04	78.4	419.0	1.79	16.1
5	5.85	242.5	332.1	0.55	12.1	2.13	36.2	723.1	5.95	11.3	2.75	67.9	359.6	2.63	18.7
6	1.58	41.5	133.2	0.25	43.6	1.03	11.2	246.1	0.53	33.3	0.65	10.7	121.3	0.37	63.3
7	7.22	287.8	384.7	0.82	10.3	6.01	303.8	753.8	2.84	7.1	3.71	151.3	330.6	1.55	15.3
8	1.85	54.5	144.5	0.39	37.6	1.11	13.4	266.6	1.21	30.5	0.91	12.4	140.7	0.76	54.4
9	5.86	240.4	350.4	0.81	11.9	4.16	203.6	634.0	3.18	9.2	3.12	124.1	333.8	1.76	16.5
10	3.04	47.0	140.6	0.30	39.6	2.25	10.5	250.6	0.92	32.4	3.10	7.5	107.9	0.59	68.5
11	9.57	316.3	387.9	0.74	9.7	7.47	384.9	691.5	1.63	6.7	4.89	182.4	363.6	1.73	13.3
12	3.92	54.0	143.5	0.31	36.9	3.44	12.6	255.9	0.92	31.0	3.24	9.0	101.7	0.69	70.4
13	11.29	323.5	396.3	0.86	9.4	7.32	356.3	742.8	2.30	6.7	5.50	184.7	387.8	1.84	12.8
14	2.67	47.3	131.6	0.28	41.4	2.56	12.9	242.1	0.96	32.6	2.35	7.7	113.1	0.64	66.9
15	1.84	27.5	161.3	0.38	42.2	1.01	20.3	266.1	0.17	80.5	1.32	11.9	115.0	0.29	64.4
16	4.18	91.6	426.3	0.49	15.2	2.52	54.6	635.4	0.20	12.2	2.49	18.6	290.3	0.29	27.1
17	16.44	366.6	393.0	0.58	8.7	5.78	232.5	845.5	3.91	7.2	4.69	140.5	417.8	2.03	13.6
18	2.48	48.1	135.7	0.22	40.5	1.96	15.0	246.9	0.37	32.1	1.81	7.4	105.9	0.28	72.0
19	7.78	282.2	409.2	0.71	10.1	5.59	259.7	766.2	2.73	7.4	3.90	110.9	423.2	2.40	14.6
20	3.04	53.0	161.6	0.25	34.9	2.39	15.4	272.8	0.31	29.1	2.59	7.6	109.4	0.29	68.5
21	12.97	347.5	383.9	0.63	9.1	9.23	402.3	778.9	1.67	5.7	5.75	187.7	375.5	1.83	12.9
22	3.62	58.3	151.0	0.28	34.9	2.93	13.9	266.7	0.87	29.8	2.99	9.0	115.1	0.58	64.0
23	17.55	374.2	495.5	0.86	7.8	4.48	94.7	1039.2	6.01	7.4	5.69	124.2	498.5	2.11	12.5
24	6.66	272.2	324.9	0.54	11.5	4.78	225.1	635.0	2.90	8.8	3.04	112.6	350.7	2.11	16.5
25	2.17	50.1	135.3	0.32	40.2	2.50	13.7	236.0	0.86	33.4	1.80	7.7	113.1	0.68	67.8
26	2.51	38.4	228.5	0.59	29.9	1.46	29.4	352.7	0.19	22.0	1.73	14.5	148.9	0.35	50.1
27	8.44	288.8	360.9	0.75	10.5	5.52	249.6	697.7	2.86	8.0	3.63	120.1	378.9	2.29	15.3
28	3.55	51.0	148.3	0.28	37.0	2.34	15.2	283.4	0.89	28.2	3.36	6.6	115.0	0.60	65.0
29	11.30	282.5	475.4	0.84	9.3	4.27	112.3	909.4	3.83	8.1	5.17	93.7	465.9	2.10	14.1
30	7.31	307.1	355.9	0.63	10.3	6.46	343.2	654.2	1.82	7.3	3.56	151.6	355.5	1.80	14.7
31	1.99	52.3	129.5	0.30	40.7	2.32	15.8	244.4	1.00	32.1	1.34	8.7	112.7	0.65	67.9
32	2.60	42.0	212.6	0.42	30.9	1.61	28.6	330.6	0.19	23.3	1.59	12.4	137.9	0.24	54.7
BAG ACT.	5.75	157.9	275.7	0.52	16.4	3.28	111.3	520.8	2.06	12.6	3.16	63.9	262.0	1.28	23.8
CALC.	5.69	156.5	269.8	0.54	16.6	3.32	110.8	513.2	1.96	12.7	3.17	63.3	255.5	1.33	24.3
33	0.55	11.5	56.1	0.04	116.8	0.38	7.0	80.8	0.03	95.4	0.16	0.2	26.8	0.01	321.5
34	6.36	129.0	627.6	0.62	10.4	4.92	68.1	969.8	0.44	8.1	2.28	2.6	470.7	0.38	18.4
35	4.72	97.2	524.4	0.60	12.8	1.80	63.7	790.1	0.46	9.9	0.99	30.2	509.1	0.58	15.9
36	2.91	62.2	340.8	0.36	19.8	1.42	45.1	515.7	0.35	15.0	0.79	20.8	322.0	0.42	24.8
37	2.15	31.7	205.0	0.87	33.9	0.75	22.6	426.9	0.68	19.1	0.53	19.7	239.1	0.65	32.7
38	2.56	62.0	218.4	1.02	27.4	0.66	21.1	460.1	1.77	17.9	0.65	21.3	226.6	0.72	33.9
39	3.12	102.9	254.7	1.15	20.8	0.84	30.6	541.7	3.75	15.0	0.65	21.0	268.8	2.14	29.2

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	103	1974	TOYO	CORO	97	104	1974	TOYO	CORO	120	105	1974	VOLK	SEDA	97
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	10.93	198.4	404.3	1.80	11.4	6.57	187.5	598.0	3.85	8.6	13.84	213.3	412.6	1.84	11.2
2	1.89	27.9	135.5	0.31	47.9	2.43	65.7	202.4	0.47	28.3	2.26	20.8	134.5	1.16	50.9
3	24.72	266.0	567.6	0.66	8.3	5.71	189.2	679.4	1.89	8.0	24.39	253.0	506.7	0.68	9.0
4	4.53	79.6	367.6	1.74	17.5	3.85	89.3	305.1	3.72	19.4	6.90	107.0	314.4	1.54	17.6
5	3.27	59.9	321.5	2.73	20.8	2.75	62.7	394.7	4.17	17.7	3.66	52.9	302.5	3.94	22.3
6	1.06	17.6	86.1	0.71	75.8	0.87	11.4	149.9	1.02	52.0	0.86	10.8	88.6	1.20	82.2
7	3.52	117.5	338.3	1.92	16.6	4.13	136.1	518.8	5.43	11.9	2.60	69.9	244.4	2.24	24.5
8	1.15	18.7	104.6	1.60	64.5	1.15	8.4	200.0	4.76	40.9	0.99	29.7	104.6	1.33	57.5
9	3.10	90.2	304.1	2.68	19.5	3.25	76.6	417.4	5.20	16.2	2.24	73.6	271.8	3.08	22.5
10	2.60	24.2	99.6	1.03	60.9	1.28	19.8	157.5	3.59	46.1	0.88	19.0	104.3	1.71	64.8
11	4.60	119.0	348.2	2.39	16.1	4.96	169.9	519.3	4.35	11.1	5.56	108.3	270.4	2.31	19.0
12	1.79	16.3	96.8	1.42	69.3	1.53	21.5	181.6	3.94	40.3	1.09	20.1	108.7	1.88	61.7
13	6.62	125.1	364.8	2.91	15.2	4.58	107.9	564.4	7.22	11.9	7.78	129.0	299.8	2.33	16.8
14	1.59	18.7	99.3	1.34	66.4	1.18	18.6	135.8	2.67	52.6	0.98	19.5	104.2	1.74	64.3
15	1.75	23.2	113.2	0.19	57.2	2.07	53.6	154.7	0.50	36.1	2.01	22.5	90.5	0.53	67.2
16	3.29	55.9	173.4	0.17	32.7	4.24	112.2	354.6	1.00	18.3	7.13	108.0	196.7	0.30	22.8
17	8.70	109.8	365.9	3.22	15.7	4.51	92.4	480.1	6.01	13.9	10.44	151.2	331.2	2.32	14.7
18	1.39	19.0	92.8	0.66	69.8	1.29	32.6	147.8	0.74	43.7	1.11	10.6	98.8	1.41	74.6
19	4.57	92.5	373.4	2.98	16.6	4.12	92.0	566.3	5.66	12.3	5.84	132.5	321.2	2.03	16.2
20	1.58	20.0	96.3	0.74	66.9	0.73	29.4	178.7	0.94	39.0	1.20	14.6	106.9	1.47	65.4
21	9.05	169.2	371.0	2.08	13.3	5.83	216.9	582.2	4.73	8.4	8.52	144.1	267.5	1.50	17.0
22	2.60	17.2	100.3	1.37	65.5	1.52	21.5	143.0	2.30	48.9	1.44	41.7	99.7	0.73	52.3
23	13.15	142.0	415.0	2.94	13.1	5.02	95.4	582.5	4.41	11.9	14.60	185.3	376.8	1.79	12.4
24	2.88	72.4	324.2	3.05	19.9	3.78	116.1	466.2	4.36	13.4	3.05	80.3	278.3	3.09	21.4
25	1.06	12.9	99.4	1.60	72.1	1.25	15.4	148.9	3.32	50.1	0.96	20.3	105.1	1.84	63.4
26	2.02	29.1	126.4	0.23	49.7	3.23	82.3	211.2	0.73	25.3	2.36	18.9	141.9	1.55	49.5
27	5.18	92.0	340.3	3.57	17.7	3.51	70.0	448.4	6.66	15.6	5.67	121.8	285.0	2.19	18.0
28	2.82	19.3	104.0	1.35	61.9	1.52	25.8	162.0	2.53	42.8	1.44	29.6	126.7	1.81	49.9
29	10.98	119.7	373.6	2.49	14.9	4.59	82.6	527.4	3.96	13.2	13.41	170.6	377.6	2.14	12.9
30	3.59	96.5	345.2	2.91	17.5	4.67	162.2	485.8	4.78	11.7	3.46	74.3	281.2	3.38	21.7
31	0.96	11.8	93.4	1.58	77.1	1.11	12.5	122.3	2.69	61.0	1.33	52.0	97.7	0.63	48.3
32	1.97	27.4	123.2	0.22	51.4	2.69	71.3	205.9	0.85	27.2	2.98	18.5	145.9	1.79	48.1
BAG ACT.	3.79	56.7	230.3	2.25	26.8	2.49	56.7	324.2	4.14	21.1	3.97	75.6	210.5	1.85	26.0
CALC.	3.82	57.8	224.5	2.22	27.1	2.58	58.1	317.0	4.26	21.3	3.98	75.8	208.5	1.84	26.1
33	1.19	9.2	17.0	0.05	251.1	0.45	11.3	38.9	0.04	153.0	1.23	13.2	22.3	0.02	189.2
34	9.55	203.8	332.7	0.21	13.0	4.66	101.5	521.4	0.53	12.8	11.46	168.8	257.3	0.16	15.9
35	3.76	102.2	385.1	0.43	15.9	3.16	105.3	339.3	0.30	17.2	4.45	101.2	302.1	0.50	18.7
36	2.24	58.6	236.2	0.25	26.5	2.46	81.0	256.9	0.27	22.6	3.30	56.9	184.6	0.27	31.2
37	1.51	36.8	195.3	0.44	34.4	1.72	56.2	198.1	0.30	30.4	1.58	29.8	161.1	1.19	41.7
38	1.51	31.0	175.9	1.39	38.7	1.19	14.4	268.3	1.90	30.1	1.10	18.6	174.3	2.99	42.9
39	1.89	38.1	217.9	2.91	31.3	1.55	8.7	318.6	8.15	26.3	1.36	33.7	215.8	3.78	32.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	106	1974	VOLK	SEDA	97	107	1973	AMC	STAN	232	108	1973	BUIC	CNTR	455
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	16.35	217.4	386.0	1.58	11.4	13.93	349.4	606.8	1.03	7.4	18.96	528.6	1065.3	1.39	4.5
2	2.22	40.2	119.3	0.33	46.8	3.89	77.4	186.0	0.15	27.7	7.14	101.2	312.9	0.19	17.9
3	31.56	298.2	445.5	0.33	8.8	11.57	296.6	725.1	1.11	7.2	25.79	553.5	1291.0	1.05	4.0
4	7.74	111.0	305.2	1.22	17.6	6.26	136.2	466.7	0.70	12.7	8.17	239.4	872.9	1.03	7.0
5	3.69	47.3	305.0	3.56	22.7	5.29	196.2	297.3	0.35	14.3	6.72	287.8	711.1	0.99	8.1
6	0.97	12.6	86.0	0.90	81.5	1.44	32.0	110.5	0.16	53.7	2.09	64.6	223.1	0.21	26.8
7	2.87	75.1	238.2	1.66	24.3	5.06	192.3	290.6	0.53	14.6	15.28	596.5	726.7	1.04	5.2
8	1.25	35.5	80.6	0.50	63.2	1.69	37.9	116.9	0.21	46.8	2.84	92.7	271.3	0.38	20.8
9	2.88	70.7	274.6	2.90	22.5	5.17	176.0	311.3	0.57	14.7	8.27	333.6	652.9	1.00	7.4
10	1.16	18.0	100.0	1.10	66.6	6.41	36.8	107.3	0.17	47.9	7.80	82.4	242.9	0.29	22.3
11	6.00	111.2	270.5	2.00	19.1	8.72	235.9	301.1	0.44	12.7	13.77	569.6	691.7	0.84	5.4
12	1.31	19.8	101.3	1.17	65.0	7.15	37.4	103.8	0.17	47.9	8.73	79.4	233.3	0.29	23.0
13	8.52	138.5	275.8	1.55	17.0	10.49	267.0	337.6	0.47	11.2	13.98	553.2	746.4	1.02	5.3
14	1.21	21.5	94.6	0.95	67.1	3.88	33.3	110.3	0.19	50.7	5.14	78.9	238.5	0.30	23.4
15	2.35	24.5	88.0	0.25	66.2	3.33	45.1	126.2	0.11	42.7	3.11	65.1	257.1	0.17	24.0
16	7.63	114.5	201.6	0.31	21.9	9.26	200.6	336.7	0.19	13.0	8.29	211.0	565.9	0.32	9.6
17	10.26	129.0	334.9	2.62	15.6	14.37	272.6	404.6	0.63	10.1	11.55	412.8	819.4	1.14	5.9
18	1.18	13.9	90.7	0.79	76.3	4.36	38.1	106.3	0.15	49.3	5.55	69.8	215.7	0.18	25.9
19	6.50	114.6	317.2	2.07	17.1	7.34	168.1	408.0	0.93	12.8	12.18	477.0	758.2	0.85	5.7
20	1.40	16.5	108.8	1.13	63.8	7.26	50.3	122.4	0.15	39.5	10.14	83.0	239.4	0.18	22.1
21	10.07	127.5	262.2	1.61	17.9	12.00	243.2	307.2	0.43	12.2	19.09	747.0	749.7	0.88	4.5
22	1.90	40.7	88.5	0.42	56.0	8.90	54.1	103.0	0.11	41.1	10.33	94.2	244.0	0.27	20.9
23	16.14	167.0	345.0	1.68	13.5	14.79	268.8	535.8	0.91	8.8	13.47	341.7	1012.9	1.41	5.6
24	3.57	78.3	270.7	2.30	21.9	5.80	221.8	281.5	0.34	13.7	8.69	348.0	657.0	0.96	7.2
25	1.05	16.7	95.4	1.20	71.0	2.37	32.0	115.0	0.21	51.4	4.20	81.3	224.2	0.29	24.3
26	3.09	35.5	124.4	0.33	46.7	5.14	70.0	178.1	0.16	29.2	5.12	91.5	320.9	0.21	18.5
27	6.93	124.7	289.8	2.04	17.5	9.45	258.8	326.5	0.44	11.6	10.85	420.0	707.9	1.01	6.3
28	1.83	23.3	106.4	1.11	59.6	8.02	42.5	118.8	0.18	42.1	10.84	97.0	238.5	0.26	20.9
29	11.62	155.6	321.8	1.44	14.7	10.55	210.0	510.6	0.72	10.2	11.62	303.8	929.8	1.11	6.1
30	3.84	68.4	276.1	2.87	22.4	5.70	221.7	276.3	0.39	13.8	13.59	555.1	650.0	0.70	5.7
31	1.06	18.2	87.3	0.95	74.5	1.92	31.9	100.7	0.17	56.5	3.19	84.3	221.9	0.30	24.3
32	3.32	32.9	121.3	0.35	48.4	6.38	72.8	159.8	0.13	30.1	7.51	100.2	297.3	0.18	18.5
BAG ACT.	4.67	71.7	189.6	1.29	28.0	6.78	131.9	242.2	0.39	18.8	9.84	259.1	521.2	0.62	9.3
CALC.	4.63	74.2	195.2	1.37	27.2	7.47	143.3	229.8	0.31	18.5	9.55	250.7	506.2	0.63	9.5
33	1.40	16.5	20.0	0.01	176.1	1.43	28.8	35.8	0.02	103.8	1.95	37.9	57.9	0.02	71.8
34	9.35	199.4	313.6	0.17	13.5	12.53	357.1	459.6	0.27	8.4	23.37	481.4	803.0	0.30	5.4
35	4.01	111.5	291.8	0.30	18.5	8.04	213.0	313.3	0.21	13.2	9.30	246.7	490.1	0.26	9.8
36	2.22	64.2	181.0	0.18	30.7	5.41	149.1	352.1	0.33	14.7	5.11	179.5	527.2	0.36	10.8
37	1.59	32.2	151.0	0.54	42.9	2.61	65.0	153.3	0.19	33.7	3.67	118.0	436.3	0.29	14.0
38	1.45	28.0	155.6	1.43	43.5	2.28	51.4	198.5	0.50	31.0	3.13	106.7	452.6	0.43	14.1
39	1.71	32.1	191.3	2.26	35.9	2.42	62.8	242.9	0.60	25.4	3.60	136.8	474.3	0.68	12.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	109	1973	BUIC	REGA	350	110	1973	CADI	DEVI	472	111	1973	CHEV	STAW	140
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	7.07	179.3	1033.2	5.72	6.6	12.41	440.2	1081.3	2.18	4.9	23.99	221.1	586.8	3.29	8.8
2	1.40	44.9	338.6	0.14	21.5	1.17	63.2	483.5	0.18	15.1	2.60	16.6	165.9	1.36	44.3
3	7.86	221.7	1074.6	1.29	6.1	12.51	457.4	1217.9	1.11	4.5	23.87	188.9	641.8	1.21	8.7
4	4.08	96.7	733.3	3.15	9.9	7.47	241.9	748.2	1.37	7.7	8.32	72.1	546.8	2.98	12.9
5	3.17	58.1	612.8	4.34	12.4	5.43	144.5	674.8	2.45	9.7	6.49	47.8	385.5	5.05	18.4
6	1.32	17.4	213.3	0.35	36.3	0.84	27.7	315.1	0.43	24.6	1.34	3.1	117.1	2.49	70.4
7	6.53	306.5	691.4	3.45	7.4	10.17	375.8	808.1	2.60	6.2	4.37	95.8	398.1	3.91	15.8
8	1.67	15.4	225.6	0.95	34.8	1.82	29.1	328.5	1.73	23.4	1.36	13.6	144.6	2.78	52.1
9	2.96	74.0	652.6	5.79	11.4	5.30	145.0	704.9	3.17	9.3	3.06	42.8	373.3	6.04	19.7
10	1.80	15.3	239.2	0.79	33.0	1.09	19.5	332.9	1.26	24.2	1.31	10.1	133.6	2.37	57.8
11	3.71	106.7	796.2	7.03	9.1	8.40	271.9	860.2	3.01	6.8	6.37	125.4	411.5	2.99	14.1
12	2.76	14.3	238.5	0.64	32.9	1.89	19.4	344.0	1.37	23.3	1.26	9.5	124.8	2.32	61.8
13	4.07	108.0	842.6	7.38	8.7	7.73	212.0	931.3	4.17	6.9	9.44	112.5	431.2	4.27	13.9
14	2.31	14.1	225.6	0.78	34.8	1.10	17.8	319.3	1.34	25.3	1.23	10.3	127.1	2.31	60.3
15	1.01	28.5	260.8	0.13	28.7	0.42	30.2	394.0	0.23	20.0	2.03	7.5	90.1	0.34	81.9
16	2.14	84.8	697.1	0.30	10.6	1.24	89.9	976.5	0.40	7.9	4.99	33.6	265.0	0.30	26.6
17	4.51	102.9	825.4	6.35	8.9	7.27	180.9	979.1	4.44	6.9	11.91	132.9	418.4	3.02	13.3
18	1.48	15.4	228.4	0.27	34.5	0.54	18.1	318.6	0.37	25.4	1.29	2.3	106.9	2.12	77.4
19	3.76	70.1	820.2	7.18	9.4	6.37	153.6	896.4	4.08	7.7	7.90	80.0	452.7	3.93	14.7
20	1.97	21.4	271.4	0.38	28.5	0.69	24.8	390.4	0.44	20.6	1.51	2.9	127.3	2.56	64.9
21	6.79	309.7	821.1	4.63	6.7	12.58	472.1	915.5	2.50	5.2	11.94	181.4	409.9	2.54	12.1
22	2.69	18.2	245.1	0.62	31.5	1.38	20.7	349.4	1.12	23.0	1.68	11.6	131.6	2.20	57.2
23	5.91	144.2	925.6	4.77	7.6	8.91	236.5	1044.9	3.86	6.1	21.37	164.7	473.3	2.38	11.1
24	3.16	82.0	655.1	5.31	11.2	5.84	155.1	728.3	3.30	9.0	4.90	57.5	360.7	4.91	18.2
25	1.99	14.0	217.8	0.69	36.1	1.46	18.6	312.3	1.43	25.6	1.22	10.2	116.5	2.24	65.1
26	1.28	38.5	358.6	0.19	21.0	0.60	41.0	530.1	0.29	14.9	3.18	14.5	130.6	0.44	54.3
27	3.40	76.8	743.3	6.75	10.1	6.55	159.3	828.8	4.13	8.1	7.10	75.1	404.2	4.46	16.3
28	2.16	18.2	254.6	0.64	30.6	1.16	22.0	355.3	1.12	22.6	1.85	13.3	133.1	2.13	55.5
29	5.06	118.3	817.9	3.52	8.7	8.61	233.5	906.0	3.01	6.8	15.85	102.3	467.3	3.18	13.1
30	3.82	120.8	706.6	5.16	9.8	6.58	187.0	795.3	3.56	8.0	5.53	80.0	404.6	5.03	16.2
31	2.53	16.1	211.4	0.68	36.3	1.58	20.7	308.6	1.43	25.6	1.23	11.3	113.6	2.14	65.7
32	1.20	34.9	347.0	0.14	21.9	0.59	37.3	499.9	0.24	15.8	3.01	12.4	124.3	0.43	57.9
BAG ACT.	2.68	67.1	492.4	2.92	14.6	4.17	113.3	599.8	2.51	11.2	5.04	48.9	282.1	3.51	23.7
CALC.	2.68	66.2	487.0	2.81	14.8	4.01	112.0	582.8	2.36	11.5	5.06	48.3	275.1	3.38	24.2
33	0.77	22.4	72.9	0.04	80.3	0.74	25.5	102.6	0.05	61.2	0.42	7.0	27.3	0.02	224.1
34	8.35	251.9	947.4	0.46	6.5	7.91	273.9	1284.0	0.59	5.1	4.81	83.0	317.5	0.21	19.2
35	2.18	104.9	699.5	0.32	10.2	3.71	134.0	674.0	0.30	9.9	4.22	37.3	442.1	0.50	17.3
36	1.43	74.5	475.4	0.23	14.9	1.52	60.0	576.4	0.27	13.1	2.92	29.3	477.0	0.87	16.7
37	1.36	44.8	299.5	0.21	23.7	1.19	40.8	407.0	0.35	18.7	2.61	15.4	228.6	2.31	34.0
38	1.45	27.5	324.0	0.61	23.9	1.58	37.0	429.6	1.73	18.0	2.06	9.8	212.2	4.53	37.9
39	1.30	28.8	383.1	2.15	20.5	2.22	40.9	509.6	4.54	15.3	2.17	24.8	257.3	5.07	29.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	112	1973	CHEV	MONT	350	113	1973	CHEV	NOVA	350	114	1973	CHEV	IMPA	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	14.10	493.3	871.7	1.94	5.2	8.26	177.2	861.0	4.80	7.6	24.78	673.5	881.0	1.84	4.4
2	0.69	29.0	363.0	0.17	21.6	0.96	26.1	366.4	0.23	21.4	2.06	55.1	325.3	0.14	21.2
3	7.58	256.5	1077.1	2.13	5.9	7.91	202.7	954.1	1.10	6.8	32.08	522.8	1096.3	2.13	4.4
4	4.91	124.5	703.9	2.65	9.7	4.19	80.5	648.9	2.68	11.3	5.22	109.5	804.3	5.52	8.9
5	5.91	167.9	576.0	2.40	10.3	3.67	50.0	535.8	3.93	16.2	6.99	234.7	571.6	2.26	9.2
6	1.15	8.1	239.5	0.44	34.7	0.97	14.9	229.1	0.36	34.7	2.65	25.3	228.2	0.67	32.1
7	10.27	428.3	592.7	1.05	6.8	8.03	274.0	573.3	1.69	8.6	8.64	352.6	647.9	1.52	7.2
8	1.96	13.7	269.7	1.05	29.8	1.50	12.9	232.9	0.91	38.4	3.20	36.0	242.7	1.04	28.7
9	8.49	347.3	544.1	1.44	7.9	3.77	57.7	532.1	5.33	16.0	7.58	294.4	563.6	2.38	8.5
10	1.94	8.7	249.1	0.63	33.0	1.79	10.4	234.2	0.61	34.6	4.32	20.5	245.0	1.17	30.5
11	13.29	547.6	615.5	0.86	5.8	8.58	274.4	554.2	2.05	8.8	11.78	509.7	652.1	0.98	6.0
12	3.20	13.0	244.5	0.57	32.3	2.24	12.4	252.2	0.82	31.8	4.73	27.2	260.7	0.82	27.9
13	13.42	529.0	630.2	1.13	5.9	8.58	252.8	596.3	2.60	8.7	13.72	528.6	670.2	1.53	5.7
14	3.26	13.1	230.4	0.63	34.0	1.90	12.1	229.6	0.71	34.9	4.25	22.4	234.9	1.07	31.3
15	0.60	15.1	282.3	0.14	28.8	0.79	19.2	278.5	0.23	28.5	1.06	33.9	277.3	0.13	26.6
16	1.47	67.7	754.8	0.25	10.3	1.68	66.6	744.2	0.39	10.4	5.05	186.3	598.7	0.20	9.8
17	12.81	461.7	632.3	0.99	6.3	8.83	242.2	603.7	2.80	8.8	16.23	550.9	627.4	1.10	5.7
18	2.50	7.0	233.2	0.29	35.2	1.08	13.4	244.5	0.29	33.0	3.69	22.3	242.0	0.39	30.7
19	9.39	348.6	675.9	1.81	7.1	6.96	181.6	606.7	2.43	8.7	10.54	372.7	699.0	2.66	6.7
20	2.97	10.6	279.1	0.24	29.1	1.19	16.0	286.2	0.31	28.2	3.28	50.0	290.5	0.44	25.5
21	16.08	660.6	726.8	1.12	4.9	10.87	367.2	621.9	1.50	7.2	15.38	616.0	770.4	1.37	5.0
22	2.83	14.3	264.9	0.50	30.0	1.74	12.4	253.2	0.57	31.9	4.79	28.4	259.0	0.71	27.8
23	8.50	222.1	845.6	3.37	7.3	6.68	129.5	767.0	3.72	8.9	13.21	280.5	912.9	4.33	6.4
24	9.55	384.7	554.5	1.35	7.5	4.57	82.5	546.7	4.42	12.8	8.94	356.8	569.8	1.63	7.7
25	3.29	13.0	227.5	0.58	34.3	1.73	11.0	220.6	0.70	36.5	3.85	22.2	235.0	1.03	31.4
26	1.03	24.7	381.3	0.20	21.0	0.96	23.2	373.3	0.28	21.5	1.69	51.9	382.6	0.19	18.9
27	11.87	432.5	560.5	0.97	6.9	6.38	141.4	570.5	4.00	10.9	14.37	513.6	552.6	0.89	6.3
28	2.83	14.3	270.4	0.52	29.4	1.50	12.4	258.7	0.57	31.4	3.99	28.4	275.5	1.05	26.7
29	6.67	120.7	789.8	3.78	8.9	6.41	129.3	691.2	2.79	9.7	15.54	359.3	760.5	2.35	6.5
30	10.45	428.2	589.0	1.18	6.9	7.48	232.0	530.2	1.98	9.7	10.16	419.3	610.4	1.35	6.8
31	3.97	17.0	217.0	0.69	34.6	2.93	13.2	214.3	0.84	36.3	3.96	25.4	235.0	1.03	30.9
32	0.85	21.4	374.5	0.18	21.6	1.16	25.6	372.0	0.28	21.3	2.25	48.0	341.3	0.14	20.9
BAG ACT.	5.70	176.4	464.6	1.08	11.7	3.61	82.1	422.6	1.79	15.8	7.24	207.6	453.4	1.24	11.1
CALC.	5.72	175.6	453.1	1.10	11.9	3.68	84.2	420.3	1.80	15.7	7.33	210.6	450.7	1.24	11.0
33	0.36	14.5	83.0	0.03	83.1	0.69	17.5	76.5	0.05	83.7	0.82	22.7	70.8	0.03	81.3
34	4.10	164.3	974.7	0.40	7.1	5.97	160.9	1025.9	0.57	6.8	5.99	215.7	936.3	0.36	6.9
35	1.00	66.4	871.6	0.39	9.1	1.42	56.2	716.8	0.38	11.0	2.42	108.0	545.9	0.23	12.3
36	0.73	46.3	540.2	0.25	14.4	0.97	41.3	454.6	0.22	17.0	0.78	61.3	546.0	0.24	13.8
37	0.98	32.2	347.7	0.30	22.1	0.76	24.6	330.4	0.29	23.9	0.51	37.2	400.4	0.26	19.3
38	1.14	12.4	393.4	1.10	21.3	1.20	22.2	334.8	0.64	23.8	1.12	36.5	357.6	0.76	21.2
39	1.70	36.8	461.3	2.56	16.9	1.42	30.4	385.6	1.05	20.3	1.95	36.5	396.8	3.33	19.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	115	1973	CHEV	IMPA	350	116	1973	DODG	DART	225	117	1973	FORD	PINT	122
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	21.65	778.2	1055.8	1.52	3.6	5.66	239.7	686.9	5.03	8.2	3.72	94.8	521.5	1.95	13.0
2	1.45	78.7	464.0	0.24	15.1	1.64	0.9	221.2	4.92	39.0	1.25	5.1	263.6	0.79	32.2
3	12.34	426.5	1335.3	0.95	4.3	4.39	6.4	819.8	6.86	10.5	2.22	3.1	674.0	0.18	12.9
4	6.78	209.8	743.7	1.93	8.1	3.26	90.6	515.4	6.23	13.3	1.29	3.0	417.9	2.34	20.8
5	7.00	250.8	853.5	1.37	9.2	3.44	181.8	431.1	5.92	12.2	1.45	18.2	353.2	3.66	23.0
6	1.03	26.8	232.7	0.26	31.9	0.89	4.2	171.4	5.34	49.1	0.47	0.7	161.0	1.31	54.2
7	10.17	487.8	776.6	1.43	5.6	3.82	203.2	566.9	6.11	9.9	2.31	81.7	283.5	1.40	21.2
8	2.41	32.9	236.4	0.80	30.0	0.98	14.1	215.6	7.03	36.8	0.72	4.1	184.5	2.61	45.9
9	7.49	324.8	810.3	1.68	7.8	3.16	182.6	487.9	5.41	11.9	1.73	52.1	316.6	3.63	22.0
10	0.72	19.7	262.9	0.42	30.0	2.73	10.8	180.2	5.68	41.3	0.87	2.1	169.0	1.70	50.7
11	11.82	555.3	791.2	1.23	5.2	4.16	244.0	515.3	3.87	9.7	4.96	128.4	312.6	1.28	16.7
12	0.79	34.2	327.2	0.48	23.2	3.15	12.9	194.1	5.42	39.6	1.08	2.9	169.4	2.28	45.0
13	13.57	590.5	764.4	1.03	5.1	4.17	223.3	582.9	5.27	9.8	5.16	148.7	344.6	1.52	14.9
14	0.66	33.3	295.7	0.41	25.3	2.14	12.4	187.7	5.69	41.5	0.78	2.4	164.5	1.99	52.0
15	0.83	61.5	376.1	0.28	18.7	1.46	0.0	170.0	2.87	50.8	1.16	3.0	182.7	0.81	46.8
16	5.68	270.4	780.3	0.59	7.3	3.25	0.0	394.5	1.40	21.9	1.72	0.0	478.4	0.74	18.3
17	14.28	659.8	769.8	0.84	4.8	5.15	288.1	497.7	2.70	8.2	5.86	133.8	379.6	2.19	14.6
18	0.85	49.8	300.4	0.22	22.8	1.72	6.5	169.0	4.66	48.1	0.76	0.9	169.0	1.28	51.4
19	10.59	455.1	723.8	1.22	6.0	4.61	241.0	496.2	3.19	10.0	2.56	54.1	403.9	4.34	17.9
20	1.29	66.8	377.5	0.36	18.2	2.17	5.9	191.8	4.66	42.7	0.90	1.7	196.5	1.36	43.9
21	16.83	714.6	899.4	1.28	4.3	4.63	276.0	617.4	4.68	8.3	6.28	136.2	300.4	1.01	16.3
22	0.79	42.1	337.1	0.39	21.9	3.34	11.6	193.8	5.29	39.9	1.45	3.3	186.7	1.84	45.2
23	12.65	421.0	761.8	1.18	6.1	4.32	100.5	627.6	8.88	11.1	3.12	51.0	497.7	3.01	15.1
24	9.72	417.5	606.1	0.99	6.9	3.53	220.5	431.9	3.77	11.2	2.45	71.8	333.1	3.12	19.6
25	0.83	39.7	292.3	0.36	24.8	1.32	11.1	179.3	5.69	48.2	0.63	2.4	165.6	2.12	51.8
26	1.67	106.1	489.9	0.31	13.4	1.88	0.0	210.1	3.35	41.1	1.45	1.8	258.1	1.08	33.4
27	12.53	549.4	686.5	0.86	5.6	3.91	221.1	475.6	4.83	10.6	3.65	108.7	383.6	2.37	16.9
28	1.01	55.4	345.9	0.36	20.3	3.07	11.6	200.4	5.54	38.9	1.17	2.1	186.6	1.69	45.8
29	15.16	478.3	680.7	0.81	6.2	3.53	53.5	596.0	8.48	12.8	2.36	27.2	490.2	3.10	16.4
30	11.52	520.2	689.4	1.06	5.8	3.56	221.0	498.1	4.71	10.4	2.66	86.4	319.5	2.12	19.1
31	3.94	32.5	208.3	0.40	32.6	0.95	12.8	179.7	5.53	43.8	0.69	3.3	168.4	2.21	50.5
32	1.78	92.4	458.0	0.27	14.6	1.82	0.0	217.4	3.65	39.8	1.50	1.7	245.1	0.85	35.1
BAG ACT.	6.29	242.5	481.0	0.66	10.1	2.77	87.7	371.4	5.96	17.1	2.19	44.1	275.6	2.11	25.2
CALC.	6.21	243.6	477.3	0.69	10.1	2.98	86.7	363.7	6.24	17.4	2.22	45.3	271.7	2.15	25.4
33	0.74	21.6	71.9	0.04	82.1	0.39	2.6	51.6	0.19	155.8	0.10	0.3	54.6	0.03	160.0
34	5.10	149.3	1029.1	0.53	6.9	4.18	3.2	608.8	1.80	14.2	1.60	4.5	597.9	0.87	14.5
35	1.12	76.6	825.9	0.41	9.3	2.07	1.5	327.3	0.74	26.4	0.54	3.1	532.1	0.68	16.5
36	0.95	56.4	502.7	0.26	14.9	1.55	1.6	264.3	1.30	32.7	0.60	1.9	298.3	0.49	29.3
37	0.66	39.0	334.9	0.22	22.3	1.21	1.0	272.1	7.16	32.0	0.62	4.3	248.4	1.05	34.5
38	0.51	28.6	366.1	0.45	21.5	1.28	13.8	341.2	10.66	24.2	0.62	2.6	231.8	2.03	37.3
39	1.33	42.6	425.3	1.58	17.9	1.36	49.9	412.8	10.80	17.9	0.68	4.9	275.9	4.08	31.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	118	1973	FORD	TORI	351	119	1973	FORD	MAVE	302	120	1973	FORD	CUST	351
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	9.13	171.2	955.5	7.28	7.1	12.12	294.2	662.1	2.22	7.6	20.99	527.6	856.8	1.88	5.1
2	4.10	73.5	314.8	0.37	20.0	4.32	98.2	260.5	0.19	20.7	3.09	88.3	223.4	0.09	23.9
3	12.39	347.2	805.8	1.28	6.0	13.51	380.0	692.8	0.61	6.7	12.56	435.8	956.8	0.85	5.3
4	4.89	96.9	694.9	3.93	10.3	6.08	124.9	502.4	2.04	12.4	7.52	275.6	596.8	1.07	8.4
5	3.56	50.9	615.6	5.69	12.6	4.24	54.5	462.0	3.73	15.8	5.00	162.6	514.5	2.29	11.3
6	1.60	16.5	229.9	1.38	34.0	1.75	19.0	191.5	0.76	39.1	2.00	37.4	146.9	0.81	41.9
7	5.90	193.2	710.2	5.02	8.6	8.12	208.0	496.8	1.82	10.4	8.32	305.0	681.7	3.04	7.5
8	1.75	26.2	267.7	2.09	28.2	1.91	19.4	206.7	1.66	36.5	2.14	39.4	163.4	1.63	38.2
9	3.38	39.8	626.5	8.44	12.7	5.68	119.4	429.3	2.77	14.0	4.47	102.6	583.0	6.27	11.7
10	5.51	36.5	228.3	1.77	29.3	3.21	35.7	191.7	1.07	34.4	3.47	42.4	169.9	1.36	35.9
11	5.06	98.6	751.8	9.58	9.6	9.41	239.6	463.7	1.85	10.2	7.45	240.5	684.3	4.87	8.2
12	6.98	39.2	237.9	1.70	27.6	4.81	40.4	196.8	1.27	32.2	4.23	42.1	174.2	1.39	35.0
13	5.09	83.6	794.0	10.62	9.4	9.01	191.5	533.4	3.45	10.3	6.48	172.5	753.8	7.37	8.5
14	4.38	28.3	221.6	1.65	31.7	3.65	28.1	183.1	1.31	37.2	3.51	36.6	156.1	1.39	39.5
15	2.46	44.4	255.1	0.30	26.7	2.62	55.8	209.6	0.17	29.0	2.19	57.2	176.9	0.17	32.4
16	9.55	255.8	471.3	0.28	9.8	10.69	304.5	413.2	0.10	9.6	6.05	164.0	441.1	0.20	12.4
17	5.67	98.1	784.3	8.10	9.3	7.53	144.5	568.4	4.11	10.8	6.98	188.0	748.1	5.64	8.3
18	4.61	28.0	230.3	1.00	30.7	2.61	36.6	192.6	0.65	34.4	2.64	37.7	153.7	0.99	40.1
19	5.39	90.9	734.7	7.84	9.9	7.38	133.0	538.9	3.82	11.5	6.04	157.7	706.4	5.67	9.1
20	6.12	46.6	260.8	0.95	25.1	3.97	58.3	212.2	0.73	28.0	3.22	47.7	189.6	1.13	32.3
21	6.64	178.9	838.0	8.60	7.8	11.02	302.4	540.8	1.61	8.4	9.01	311.4	788.3	4.76	6.8
22	6.55	41.3	240.4	1.48	27.2	4.40	44.7	196.6	1.06	31.6	4.23	42.0	168.8	1.23	35.7
23	7.36	140.3	854.5	5.98	8.1	8.65	173.8	644.1	3.64	9.4	8.26	252.4	795.4	2.93	7.3
24	3.69	44.7	655.6	9.45	12.0	6.21	137.9	440.4	2.55	13.1	4.40	94.7	609.2	7.61	11.5
25	3.49	25.9	218.8	2.02	32.8	3.22	24.8	186.6	1.45	37.6	2.83	35.3	156.7	1.41	40.1
26	3.57	54.9	341.9	0.43	20.2	3.89	76.3	290.2	0.34	21.0	3.13	89.0	235.6	0.19	23.0
27	4.46	66.6	717.7	9.00	10.6	7.01	141.2	491.3	4.00	12.1	5.35	120.7	678.3	7.74	10.0
28	5.84	43.5	243.1	1.65	26.9	3.63	46.9	203.2	1.13	30.8	3.79	44.2	177.8	1.23	34.2
29	6.24	115.1	789.7	5.30	9.0	7.53	144.6	595.5	3.32	10.5	7.29	214.4	712.7	3.10	8.3
30	4.01	48.0	715.0	11.37	11.1	7.49	169.9	452.9	1.86	11.5	6.09	196.1	620.7	4.21	9.4
31	3.13	24.7	223.8	2.12	32.6	2.64	22.4	188.1	1.43	38.3	2.98	34.7	149.2	1.43	41.7
32	4.03	65.7	333.4	0.42	19.7	3.98	92.4	267.5	0.29	20.9	3.14	80.9	232.2	0.19	24.0
BAG ACT.	4.81	63.3	489.3	4.52	14.7	5.29	92.8	367.8	2.52	16.7	4.65	108.3	414.5	3.12	14.8
CALC.	4.74	65.8	482.4	4.55	14.8	5.22	95.3	349.8	2.27	17.2	4.65	109.7	403.1	3.06	15.0
33	1.16	31.2	67.5	0.04	73.8	1.68	39.9	61.1	0.08	68.8	0.76	20.6	62.5	0.04	91.3
34	13.92	362.6	826.0	0.43	6.2	16.52	445.2	671.6	0.28	6.2	8.50	223.5	765.3	0.46	7.8
35	7.09	178.3	418.2	0.23	12.3	7.21	216.6	407.9	0.22	11.5	4.57	116.1	469.9	0.28	13.3
36	3.77	108.8	420.1	0.27	14.7	4.84	144.4	275.4	0.16	17.1	2.96	75.5	308.1	0.19	20.4
37	2.06	34.9	347.4	0.52	21.7	2.37	39.8	274.8	0.38	25.7	2.03	63.8	239.5	0.24	25.6
38	2.12	13.0	371.7	3.74	22.3	2.14	13.7	332.4	1.87	24.6	2.62	45.8	273.3	2.49	25.1
39	2.87	42.3	435.7	7.34	17.4	3.09	30.6	365.8	3.94	20.9	3.26	72.4	327.2	2.84	19.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	121	1973	FORD	LTD	400	122	1973	MERC	MONT	400	123	1973	OLDS	STAW	455
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	9.98	333.4	1066.2	4.56	5.5	9.12	121.0	1092.0	11.83	6.8	8.49	330.6	1236.6	5.05	5.0
2	3.50	90.8	370.5	0.47	16.9	2.91	50.3	336.1	0.55	20.9	2.60	61.1	346.3	0.26	19.7
3	11.91	385.0	1102.3	1.47	5.1	9.07	137.0	1223.4	3.59	6.0	9.18	298.1	1360.8	1.65	4.8
4	6.13	183.2	700.9	2.66	8.6	6.36	98.7	725.4	7.67	9.9	5.12	165.2	849.2	2.24	7.7
5	4.29	102.3	706.9	4.70	10.1	4.73	60.5	623.4	7.23	12.1	3.50	86.3	733.2	4.74	10.1
6	2.03	37.4	270.7	0.78	26.4	2.27	20.9	210.8	2.79	35.4	2.10	32.7	220.9	0.49	31.8
7	7.34	358.2	764.4	2.89	6.6	8.74	319.4	688.9	3.53	7.3	8.33	445.3	793.6	2.86	5.8
8	1.90	39.1	319.2	1.54	23.0	2.21	21.5	227.4	1.79	33.1	1.48	19.8	263.8	1.45	29.6
9	4.06	95.7	721.4	6.12	10.0	5.16	125.9	602.5	5.28	10.9	3.75	100.1	740.7	7.16	9.7
10	3.52	47.6	292.7	1.12	23.4	3.56	24.0	218.1	1.48	33.2	4.14	23.0	246.8	0.93	30.0
11	7.36	334.8	752.2	2.77	6.8	8.86	278.2	710.6	4.06	7.5	5.84	243.1	885.2	6.23	6.9
12	5.02	54.1	293.1	1.13	22.5	4.38	27.4	234.4	1.45	30.5	5.21	20.9	267.9	1.23	28.0
13	6.31	210.4	877.3	5.52	7.2	7.80	229.0	751.9	5.43	7.8	5.48	185.8	963.0	8.11	7.0
14	4.02	58.5	268.6	1.02	23.8	3.24	25.5	210.3	1.75	34.1	3.37	24.6	241.0	1.12	30.6
15	2.49	63.4	289.7	0.37	22.3	2.03	38.3	262.7	0.43	27.7	1.97	34.9	272.2	0.30	26.7
16	8.17	252.6	620.5	0.50	8.5	6.03	101.9	653.0	0.57	10.7	5.00	96.5	702.1	0.40	10.2
17	6.50	187.7	882.9	6.20	7.4	6.91	130.2	835.3	8.80	8.4	5.30	145.2	1014.9	7.85	7.0
18	2.99	54.1	269.7	0.62	24.4	2.64	33.9	215.5	2.04	32.0	3.27	34.0	238.9	0.42	29.6
19	5.90	175.3	794.6	5.37	8.2	6.44	134.8	756.6	7.70	9.0	4.70	126.1	942.7	7.08	7.7
20	3.63	70.4	304.6	0.66	20.8	3.05	35.7	264.2	2.36	28.9	3.63	35.8	276.9	0.44	25.7
21	9.26	452.6	856.7	3.02	5.6	11.40	447.0	753.5	2.84	5.9	9.48	515.2	922.4	3.78	5.0
22	4.64	58.1	289.9	1.01	22.4	3.89	30.0	236.9	1.42	29.9	4.24	23.5	271.8	1.02	27.6
23	8.38	273.5	920.6	3.63	6.4	7.50	133.9	927.7	4.72	7.6	6.30	155.0	1133.4	5.87	6.4
24	4.38	116.6	741.4	6.17	9.5	5.99	162.5	609.2	5.32	10.0	3.83	95.9	790.1	7.97	9.3
25	3.91	45.5	262.1	1.14	25.7	3.36	27.2	197.5	1.62	35.4	3.31	21.6	227.6	0.99	32.6
26	3.79	103.2	394.8	0.49	15.6	3.36	63.6	342.4	0.57	19.6	3.09	49.8	369.4	0.49	19.4
27	5.12	133.6	798.8	6.84	8.7	5.97	123.2	703.1	7.07	8.7	4.30	106.3	887.5	8.78	8.3
28	3.93	66.1	297.0	0.95	21.5	3.91	33.9	238.2	1.47	29.2	4.13	27.5	262.0	0.85	27.9
29	7.60	246.5	818.9	2.78	7.2	7.95	131.1	814.2	7.60	8.5	6.00	170.3	986.3	3.94	7.0
30	5.86	240.3	732.6	3.59	7.9	6.11	293.1	614.8	2.69	8.1	5.04	198.7	825.6	5.60	7.7
31	3.74	44.1	268.9	1.19	25.4	3.39	27.5	201.1	1.50	38.8	3.17	25.7	231.7	1.21	31.5
32	4.70	122.7	355.5	0.38	15.8	2.96	65.7	349.7	0.56	20.6	2.97	45.8	380.2	0.38	19.7
BAG ACT.	4.63	127.8	551.5	2.78	11.6	4.72	94.6	464.6	3.45	14.1	3.94	92.6	556.9	3.48	12.4
CALC.	4.64	126.8	544.3	2.75	11.7	4.88	95.2	463.4	3.45	14.1	4.03	93.8	560.6	3.46	12.3
33	1.01	24.6	89.7	0.07	67.5	0.72	10.1	92.3	0.09	80.4	0.51	4.2	100.7	0.06	81.5
34	10.93	244.0	1150.5	0.85	5.7	8.28	102.8	1138.9	1.01	6.7	5.97	38.7	1251.2	0.66	6.7
35	5.24	110.1	580.5	0.43	11.5	2.70	17.0	750.1	0.75	11.3	2.90	18.2	631.0	0.32	13.3
36	3.50	71.5	413.7	0.32	16.5	2.66	33.9	381.4	0.32	20.0	1.77	12.2	550.1	0.40	15.4
37	2.18	32.3	381.3	1.05	20.2	1.95	22.0	337.4	0.81	23.5	1.67	22.0	396.3	0.71	20.4
38	2.67	40.1	407.5	4.91	18.5	2.85	21.0	334.9	5.30	23.5	1.80	36.7	423.0	1.30	18.2
39	3.30	76.4	504.7	6.73	14.0	3.03	43.4	380.7	2.37	19.4	2.36	46.8	540.3	4.03	14.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	124	1973	OLDS	CUTL	350	125	1973	PLYM	SATE	318	126	1973	PLYM	VALI	225
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	6.95	155.8	1156.5	5.00	6.2	11.06	333.1	834.9	3.27	6.4	10.52	419.8	562.6	1.08	7.1
2	2.18	50.0	408.5	0.41	18.0	3.58	64.6	232.3	0.19	25.7	3.03	37.5	247.9	2.44	28.0
3	6.81	126.6	1295.4	2.47	5.9	10.68	333.6	926.4	0.69	6.0	8.24	219.3	717.6	1.55	8.2
4	4.18	76.8	804.9	2.99	9.5	7.22	237.7	593.6	1.16	9.0	6.35	238.0	425.1	0.95	10.8
5	3.47	53.0	692.9	3.86	11.3	5.78	152.0	512.9	2.50	11.5	5.70	206.4	353.6	2.34	12.7
6	1.27	13.8	200.8	0.63	29.0	2.10	37.4	169.4	0.87	37.8	1.72	26.2	150.7	2.29	45.0
7	8.88	405.6	650.5	1.58	6.7	7.32	225.6	663.2	4.12	8.5	6.05	222.2	471.3	2.51	10.0
8	1.28	7.6	289.3	1.01	29.1	1.89	33.4	187.5	1.32	36.1	1.67	28.5	155.2	2.34	43.2
9	3.49	48.3	693.6	5.50	11.4	4.89	109.9	576.4	5.99	11.6	5.29	205.4	357.5	2.01	12.7
10	3.08	10.8	281.3	0.75	28.8	4.55	33.4	174.0	1.23	36.8	2.59	35.1	150.7	1.96	41.5
11	8.41	358.0	658.1	2.62	7.1	6.94	195.9	668.2	5.29	8.9	6.59	269.5	430.0	1.25	10.2
12	3.84	19.4	302.9	0.87	25.7	5.97	37.7	179.9	1.26	34.4	3.82	38.3	150.2	2.18	39.9
13	8.26	316.2	725.8	3.26	7.1	7.30	195.1	697.1	5.36	8.6	7.23	291.5	431.9	1.18	9.7
14	2.39	15.0	272.5	0.78	29.2	4.10	35.6	161.8	1.21	38.5	2.45	34.0	146.1	2.13	42.8
15	1.92	34.1	296.0	0.36	25.0	2.35	35.7	187.3	0.20	35.4	2.05	15.2	183.9	1.28	41.4
16	3.91	39.3	817.4	0.59	10.0	5.45	131.9	443.4	0.20	13.3	5.91	144.2	397.0	0.49	13.8
17	5.49	118.4	873.8	4.66	8.2	7.80	224.1	687.4	3.57	8.3	7.05	315.5	423.9	0.95	9.4
18	2.25	26.6	269.8	0.44	27.8	4.29	37.5	156.4	0.55	38.8	2.15	33.5	148.3	1.85	42.7
19	5.08	123.6	790.4	3.93	8.9	6.93	191.3	649.2	3.55	9.1	7.52	300.1	404.3	0.82	9.7
20	2.46	26.6	323.3	0.44	23.8	4.91	47.6	187.8	0.67	31.9	2.89	44.4	170.8	1.97	35.5
21	10.66	474.6	737.8	1.87	5.8	9.25	294.3	735.2	4.45	7.2	7.53	308.8	511.1	1.70	8.7
22	3.22	24.6	299.7	0.68	25.5	5.79	44.2	185.0	1.09	32.5	3.15	44.1	157.7	1.74	37.5
23	6.38	110.3	986.6	4.30	7.5	8.91	241.9	762.1	2.72	7.6	7.73	262.8	521.8	1.00	9.3
24	4.23	89.8	682.3	4.65	10.6	5.49	131.2	578.4	5.35	11.1	6.01	238.0	355.5	1.41	11.9
25	3.58	13.0	255.4	0.82	30.9	3.88	34.3	161.5	1.18	39.0	2.31	35.2	143.1	1.98	43.1
26	2.65	43.9	420.5	0.48	17.8	3.41	51.8	266.1	0.29	24.8	2.83	20.4	253.1	1.96	30.2
27	4.97	122.7	747.3	4.49	9.3	6.71	181.2	606.2	4.12	9.7	6.57	260.3	381.3	1.34	10.9
28	3.11	20.7	301.1	0.71	25.8	5.74	45.7	186.3	1.14	32.1	2.95	44.8	161.5	1.78	36.8
29	5.53	115.2	877.2	2.97	8.3	8.43	225.1	682.3	1.95	8.4	6.07	179.3	493.7	2.61	11.2
30	7.83	347.8	601.8	1.64	7.6	6.56	184.4	609.5	4.54	9.6	6.17	242.2	401.1	1.82	11.1
31	2.93	14.1	257.7	0.80	30.7	3.25	34.8	156.7	1.08	40.0	2.23	29.4	143.0	2.20	45.2
32	2.45	40.1	404.5	0.37	18.7	3.78	53.5	246.5	0.24	25.9	3.08	47.3	218.8	0.85	29.3
BAG ACT.	3.84	86.5	522.1	2.11	13.2	5.31	106.6	408.8	2.35	15.0	4.29	123.6	294.5	2.16	17.7
CALC.	3.92	87.9	527.2	2.10	13.1	5.35	109.1	400.4	2.34	15.1	4.31	124.4	290.6	2.10	17.8
33	0.50	5.7	109.7	0.10	73.8	0.65	15.9	60.6	0.03	101.2	0.83	20.2	50.3	0.06	104.7
34	6.99	73.1	1327.6	1.12	6.1	7.25	170.2	783.9	0.32	8.3	9.73	191.0	659.5	0.71	9.0
35	2.84	33.5	669.1	0.56	12.1	3.57	88.5	441.4	0.20	15.0	4.80	87.5	345.1	0.37	17.8
36	2.01	25.1	465.9	0.42	17.3	2.37	60.1	362.8	0.19	19.1	3.27	56.0	262.7	0.34	24.6
37	1.76	28.5	383.5	0.60	20.5	2.18	26.4	278.8	0.58	27.1	2.01	8.4	234.1	2.97	35.0
38	1.65	25.5	411.4	1.06	19.4	2.37	22.4	321.5	3.20	24.4	2.10	29.4	251.7	4.09	29.1
39	2.16	33.5	490.8	2.06	16.1	3.17	60.4	370.6	4.06	18.7	2.60	53.8	299.6	5.05	22.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	127	1973	PONT	CATA	400	128	1973	PONT	STAW	350	129	1973	DATS	240Z	146
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	9.47	245.5	1039.2	7.53	6.1	14.14	583.7	1065.3	1.43	5.5	5.96	89.3	661.0	4.84	10.8
2	6.58	151.9	282.4	0.14	16.4	3.73	95.2	307.6	0.28	16.2	0.88	9.5	289.8	0.65	28.9
3	12.47	408.0	1117.5	1.03	4.9	12.60	330.3	1349.2	1.72	4.7	3.27	62.6	958.3	4.04	8.3
4	6.15	151.6	735.5	3.73	8.9	6.48	165.3	870.0	1.47	7.7	2.60	23.3	491.4	3.45	16.6
5	4.62	73.7	648.5	7.04	11.4	5.70	150.7	827.6	1.84	8.2	2.35	18.9	396.9	3.79	20.4
6	2.57	28.1	228.0	1.85	31.7	2.30	39.4	233.1	0.39	29.4	0.74	4.9	169.5	0.94	49.4
7	6.59	195.7	784.7	6.35	8.0	10.96	458.8	810.6	1.37	5.7	3.52	101.4	313.1	1.81	18.4
8	2.41	32.7	241.2	2.98	29.6	2.37	43.9	261.8	0.70	26.2	0.98	3.7	161.5	1.15	46.6
9	3.78	40.4	686.3	10.65	11.7	7.64	296.0	598.1	1.17	8.2	2.70	49.2	365.0	3.76	19.7
10	4.95	42.2	222.9	2.03	29.1	3.79	42.6	238.1	0.52	28.0	0.86	3.2	169.5	0.85	50.1
11	5.69	134.6	822.4	6.40	8.4	11.40	485.1	741.7	1.19	5.8	5.19	129.5	386.7	2.65	14.6
12	6.16	49.7	238.7	2.20	26.4	4.86	53.5	251.2	0.56	25.3	1.49	2.1	175.6	1.01	48.3
13	5.81	130.5	860.7	8.90	8.2	11.56	476.2	789.0	1.33	5.6	4.90	118.5	425.8	3.06	14.1
14	4.60	37.4	214.5	2.12	30.8	3.80	44.4	229.8	0.55	28.5	1.93	2.2	148.5	0.81	56.2
15	4.03	93.6	223.5	0.24	23.1	2.94	74.3	307.9	0.24	20.5	1.08	7.5	174.0	0.47	46.9
16	9.88	281.7	588.1	0.10	8.4	5.61	112.6	635.0	0.47	10.7	1.50	26.0	487.9	0.50	16.6
17	5.94	116.5	896.8	8.87	8.1	10.98	420.2	868.1	1.50	5.7	5.30	85.1	477.2	3.83	14.1
18	4.50	46.6	220.0	1.27	28.9	3.24	50.7	219.1	0.25	28.7	0.75	5.1	168.5	0.82	49.6
19	5.23	92.4	840.5	8.46	8.9	9.78	373.5	811.4	1.31	6.2	3.60	44.0	471.7	4.59	16.1
20	5.53	61.1	262.6	1.39	23.6	4.34	60.6	256.2	0.28	24.3	0.80	4.7	195.6	0.82	43.2
21	7.84	242.1	897.0	6.28	6.8	14.21	599.5	853.8	1.43	4.8	5.68	135.9	411.1	2.55	13.8
22	6.39	51.8	243.9	2.10	25.7	4.94	61.4	249.6	0.47	24.5	2.01	2.6	168.3	0.87	49.7
23	7.35	166.4	949.9	6.21	7.2	10.71	339.4	1041.9	1.58	5.5	4.74	89.4	599.7	4.54	12.8
24	4.60	83.4	687.8	8.11	10.7	7.50	276.1	756.1	1.57	7.4	3.26	60.9	376.8	3.37	18.4
25	4.44	37.1	218.9	2.24	30.5	3.68	47.9	226.0	0.54	28.4	1.19	2.1	160.0	0.92	53.1
26	5.75	125.0	313.1	0.29	16.8	4.12	99.3	396.1	0.29	15.7	1.06	6.3	224.8	0.53	37.3
27	4.90	84.5	793.8	9.43	9.4	10.00	404.3	716.9	1.18	6.4	4.05	66.9	417.5	3.92	16.6
28	5.49	56.8	250.7	2.03	24.8	4.52	58.8	250.9	0.46	24.8	1.18	3.4	172.2	0.80	49.0
29	6.91	171.6	832.6	4.24	7.9	8.69	225.6	979.7	1.63	6.5	4.44	38.6	556.3	3.83	14.1
30	5.30	118.3	743.6	7.34	9.4	10.57	442.1	776.3	1.30	5.9	3.05	99.8	359.1	2.67	16.8
31	4.26	37.6	222.9	2.39	30.0	3.81	49.5	227.9	0.60	27.9	1.35	2.8	155.1	1.02	54.2
32	6.15	135.2	294.9	0.24	16.8	4.11	102.3	362.2	0.28	16.6	1.03	11.5	214.5	0.33	37.6
BAG ACT.	5.08	88.9	502.6	4.75	13.5	6.35	193.5	529.8	0.92	10.4	2.41	37.6	300.1	2.10	24.2
CALC.	5.04	90.0	499.8	4.75	13.5	6.48	197.0	532.8	0.95	10.3	2.46	37.8	298.7	2.04	24.3
33	0.98	30.7	64.6	0.06	65.3	0.86	22.0	70.8	0.04	82.1	0.17	5.9	83.7	0.06	94.8
34	11.02	332.5	1036.1	0.68	5.6	9.24	197.9	952.3	0.58	6.9	2.57	96.6	615.1	0.33	11.5
35	5.56	167.8	491.8	0.31	11.5	4.22	69.5	551.6	0.35	13.2	1.31	35.1	539.1	0.44	14.8
36	3.54	109.9	430.6	0.30	14.4	2.47	28.0	584.2	0.62	14.0	0.98	24.5	352.4	0.31	22.5
37	2.94	58.9	297.2	0.68	22.2	2.93	55.8	619.9	0.58	12.4	0.78	7.4	256.5	0.76	32.8
38	2.01	9.4	377.2	4.44	22.3	3.07	52.1	398.3	0.70	18.1	1.05	6.9	227.1	1.77	36.8
39	2.70	32.7	461.8	7.25	17.0	3.54	68.1	469.2	1.51	15.1	1.33	9.9	277.2	3.09	29.9

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	130	1973	OPEL	MANT	116	131	1973	TOTO	CORO	97	132	1973	VOLK	STAW	103
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	8.16	160.0	519.6	4.21	11.1	7.36	87.1	452.4	1.29	14.5	5.18	104.5	739.9	6.82	9.6
2	1.72	33.0	208.3	0.46	33.4	2.15	20.0	190.3	1.45	38.8	1.09	1.7	244.1	0.92	35.5
3	6.21	246.6	578.2	0.59	9.0	7.26	83.9	565.3	1.03	12.3	3.06	79.0	883.4	1.87	8.7
4	3.88	120.6	348.7	1.24	15.9	3.04	48.9	336.0	1.66	21.0	4.09	105.9	581.5	4.31	11.7
5	2.38	55.7	326.2	2.44	21.1	2.72	37.8	283.4	3.29	25.3	3.30	65.7	505.0	6.56	14.3
6	0.85	15.6	127.0	0.75	57.5	1.04	3.4	117.8	2.28	70.2	0.82	2.7	146.4	1.02	57.9
7	2.28	53.3	323.2	3.69	21.4	3.21	85.8	217.6	1.42	24.5	3.37	71.5	552.0	7.99	13.1
8	1.11	24.0	142.4	0.98	48.3	1.17	5.9	127.7	3.59	63.1	1.11	11.6	187.1	3.06	42.5
9	2.11	40.2	334.9	4.63	21.9	3.06	78.5	248.4	2.59	23.3	2.68	55.4	424.7	6.00	17.1
10	1.72	22.6	131.9	0.67	51.3	1.16	9.4	125.2	2.66	61.8	0.78	5.4	172.9	2.01	48.3
11	6.52	157.0	372.3	2.27	13.9	4.97	135.5	239.8	0.92	18.9	3.54	66.7	572.1	8.79	12.9
12	1.92	25.3	142.1	0.75	47.2	1.32	9.0	134.1	2.94	58.2	0.93	7.7	186.7	2.35	44.0
13	5.19	129.5	382.3	3.22	14.7	5.21	145.6	276.9	1.00	17.0	3.62	78.1	615.0	9.25	11.8
14	1.36	22.0	127.8	0.69	53.3	1.12	6.8	122.0	2.83	65.1	0.70	6.2	159.7	2.04	51.7
15	1.17	11.8	163.1	0.33	47.9	1.93	25.8	146.9	0.91	45.8	0.62	0.0	190.3	0.80	46.2
16	4.07	160.8	279.2	0.00	16.3	4.70	69.2	345.9	1.00	18.9	1.22	0.0	437.2	0.47	20.1
17	5.32	114.5	410.4	3.62	14.6	7.16	142.8	304.8	1.14	16.1	4.09	82.8	666.7	8.98	11.0
18	1.08	16.6	131.2	0.69	55.2	1.33	8.8	125.0	1.75	62.0	0.77	1.4	163.9	0.99	52.7
19	3.68	90.1	394.3	3.39	16.2	4.47	107.6	304.5	2.07	18.2	4.08	92.8	662.1	8.70	10.8
20	1.31	24.0	157.0	0.72	44.6	1.54	12.9	144.9	1.80	52.2	0.89	1.8	190.4	1.06	45.3
21	6.72	96.9	371.9	4.21	16.3	5.70	130.0	248.9	0.94	18.8	3.72	82.1	601.4	8.42	12.0
22	2.23	26.6	139.7	0.66	47.1	1.43	11.2	129.3	2.52	58.6	1.21	15.5	197.1	2.24	39.4
23	5.69	154.9	450.2	1.83	12.5	4.77	68.8	410.4	2.25	16.6	5.31	94.0	735.0	7.81	9.9
24	2.58	69.0	337.9	3.23	19.5	3.36	92.1	241.4	2.17	22.4	3.32	74.2	539.4	7.97	13.3
25	1.11	22.8	131.2	0.75	52.0	1.03	5.2	119.0	3.03	67.6	0.76	7.4	165.2	2.47	49.5
26	1.56	26.2	242.7	0.43	30.7	2.62	37.4	193.8	1.12	34.0	0.87	0.0	262.5	1.11	33.5
27	3.43	90.4	357.9	3.45	17.4	4.72	127.1	262.5	1.21	18.6	3.61	74.3	576.4	8.54	12.6
28	1.94	24.8	143.5	0.66	47.0	1.28	11.2	133.9	2.64	57.1	0.77	5.6	179.9	1.79	46.4
29	4.84	130.1	427.7	1.66	13.7	4.00	54.5	382.0	2.38	18.5	4.52	108.2	654.0	5.52	10.6
30	2.71	77.7	345.9	3.33	18.6	3.49	98.1	243.3	1.86	21.7	3.25	78.6	510.4	7.11	13.8
31	1.08	23.4	131.3	0.76	51.8	1.01	4.4	118.1	3.17	69.3	0.82	7.8	154.7	2.35	52.3
32	1.61	38.0	225.8	0.33	30.5	2.46	36.4	176.6	0.90	36.7	0.78	0.0	248.3	0.75	35.4
BAG ACT.	2.72	62.3	256.3	1.87	24.5	2.77	55.1	204.2	2.31	29.6	2.01	35.1	384.7	4.82	19.9
CALC.	2.69	62.0	252.1	1.77	24.8	2.76	55.6	202.2	2.18	29.7	2.10	35.1	372.7	4.82	20.4
33	0.27	11.4	43.2	0.03	143.2	0.17	0.5	22.0	0.01	381.9	0.08	1.3	59.2	0.07	144.3
34	3.31	146.1	527.9	0.36	11.6	1.95	3.5	422.2	0.27	20.5	1.63	5.9	704.7	0.63	12.3
35	2.93	78.8	400.3	0.38	16.6	3.61	69.8	340.1	0.41	19.2	1.76	4.1	471.1	0.52	18.4
36	1.73	40.8	282.1	0.28	25.2	2.31	42.5	228.4	0.33	29.3	1.19	2.4	298.5	0.39	29.0
37	1.18	21.4	216.0	0.61	35.0	1.71	15.9	173.8	1.45	43.5	0.74	2.6	218.9	0.83	39.4
38	1.28	20.4	206.8	1.46	36.5	1.42	5.6	174.5	3.61	47.3	1.60	5.2	258.3	2.07	32.7
39	1.60	36.9	242.1	2.00	29.1	1.35	1.8	223.6	7.56	38.5	1.01	3.2	307.3	6.21	28.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	133	1973	VOLK	SEDA	97	134	1972	AMC	GREM	258	135	1972	BUIC	STAW	455
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	14.95	154.6	517.6	2.88	11.0	5.35	108.0	717.3	5.85	9.8	12.66	473.5	1173.0	3.98	4.5
2	2.22	16.3	136.0	0.33	51.6	2.21	47.8	224.4	0.74	29.0	17.11	15.6	413.1	1.47	18.0
3	11.70	169.1	740.9	1.46	8.5	5.40	118.1	733.4	1.96	9.5	9.79	130.9	1594.9	5.36	4.8
4	6.27	61.1	370.4	1.84	18.2	3.48	55.9	510.9	4.48	14.6	5.01	107.6	901.4	4.33	8.2
5	3.92	41.0	324.9	3.04	22.1	2.80	26.4	480.8	7.60	16.7	7.97	114.5	705.5	4.99	9.7
6	0.80	8.4	81.5	0.69	91.2	1.24	15.1	168.5	1.93	45.3	9.24	18.4	224.1	1.11	31.4
7	2.21	87.5	238.9	0.85	23.2	4.10	132.9	570.5	4.54	11.2	12.51	517.1	753.5	2.30	5.5
8	0.94	33.8	76.8	0.44	66.8	0.99	7.8	213.5	3.90	38.8	7.40	19.6	253.2	2.43	28.9
9	2.23	50.8	297.8	3.08	23.1	2.22	18.0	526.5	9.78	15.8	7.82	333.4	601.8	2.92	7.7
10	1.45	17.3	91.4	0.87	72.0	3.68	18.5	187.6	2.71	38.9	13.02	11.9	237.6	1.78	29.8
11	6.31	96.9	299.0	2.00	18.8	3.36	86.1	578.2	7.10	12.3	10.25	509.7	731.8	2.37	5.7
12	0.99	17.7	87.2	0.93	75.1	3.94	20.6	168.2	2.78	38.1	15.63	10.3	247.9	1.96	28.3
13	7.29	104.2	331.1	2.23	17.1	3.31	68.0	594.0	8.22	12.5	9.11	418.9	836.9	4.03	5.8
14	0.90	17.5	89.2	0.84	74.2	2.32	15.4	189.4	2.83	40.2	10.81	10.2	217.0	1.95	33.2
15	1.05	10.7	104.4	0.32	71.3	1.82	28.0	161.5	0.60	42.0	15.82	3.7	287.8	1.46	25.8
16	2.75	44.8	275.2	0.29	25.0	3.77	105.5	411.4	0.47	15.1	15.16	5.6	901.5	1.26	9.3
17	11.33	138.2	374.1	2.24	14.2	3.90	83.0	577.2	6.66	12.3	7.69	244.2	977.6	7.16	6.4
18	1.02	13.5	87.7	0.55	79.2	2.51	30.9	151.8	1.29	42.6	14.84	11.1	241.5	1.32	29.0
19	7.79	111.7	365.7	2.16	15.7	3.43	65.4	558.0	6.19	13.2	7.56	273.6	886.9	4.73	6.6
20	1.20	11.8	102.0	0.75	71.4	3.58	38.2	175.2	1.35	36.0	15.43	10.6	300.6	1.52	24.2
21	9.02	130.9	298.1	1.35	16.7	4.64	168.7	598.8	4.72	10.1	13.38	690.8	846.5	1.76	4.5
22	1.67	33.8	83.5	0.38	62.6	3.65	25.0	190.6	2.54	36.8	14.45	10.3	255.8	1.96	27.9
23	11.68	122.0	458.2	2.64	12.9	4.70	82.6	616.1	6.47	11.7	8.20	99.6	1205.6	9.19	6.4
24	3.80	62.5	295.6	2.54	21.9	2.44	22.6	516.0	9.36	15.9	7.90	273.8	680.3	3.87	7.8
25	0.79	14.8	81.9	0.97	82.4	1.30	12.7	196.9	3.21	40.2	10.98	11.1	218.4	1.91	32.8
26	1.67	16.4	143.4	0.41	50.9	2.45	42.1	234.0	0.86	28.8	23.23	5.4	400.4	1.97	18.4
27	6.76	104.3	321.0	2.23	17.5	2.80	39.1	554.4	9.08	14.2	5.31	166.4	863.6	6.73	7.8
28	1.40	21.1	101.4	0.91	63.8	4.11	27.2	197.2	2.58	35.1	14.67	10.3	265.4	1.98	27.1
29	10.94	120.9	412.3	2.02	13.9	4.48	86.6	538.6	5.12	12.9	7.91	99.5	1079.1	8.38	7.0
30	3.87	64.4	297.4	2.60	21.6	3.07	57.4	566.2	7.45	13.3	10.87	434.6	673.3	2.75	6.4
31	0.76	13.1	78.1	0.93	87.8	1.22	11.2	176.4	3.14	44.8	10.13	12.2	230.6	2.26	31.5
32	1.53	15.1	138.3	0.48	53.2	2.43	47.1	228.2	0.70	28.6	22.80	5.3	393.1	1.59	18.7
BAG ACT.	3.84	57.8	218.4	1.46	27.6	2.95	39.0	377.6	5.22	19.8	9.47	130.2	530.3	3.70	11.6
CALC.	3.82	58.2	214.9	1.49	27.9	2.96	40.9	376.9	5.27	19.7	9.33	131.5	525.9	3.66	11.6
33	0.42	9.8	30.7	0.02	187.5	0.49	11.1	52.6	0.06	123.9	1.81	0.8	115.8	0.23	72.3
34	4.22	123.2	373.0	0.23	15.3	5.29	88.2	687.5	0.73	10.5	22.16	11.0	1421.8	2.52	5.9
35	3.65	44.8	419.6	0.51	17.7	2.81	54.7	377.2	0.39	18.8	10.74	12.8	864.1	1.07	9.7
36	1.07	11.9	286.6	0.31	28.8	2.02	37.1	305.0	0.45	24.0	6.73	9.7	563.1	0.79	14.8
37	0.85	15.0	179.9	0.51	43.0	2.07	37.2	248.1	0.85	28.3	14.50	18.3	325.6	2.03	22.2
38	1.02	14.8	173.3	1.27	44.4	2.08	36.3	295.3	3.08	24.7	8.18	21.6	365.4	3.58	20.9
39	1.33	24.7	210.5	2.67	35.0	1.55	9.0	409.6	7.98	20.7	1.46	31.6	459.8	5.25	17.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	136	1972	CADI	DEVI	472	137	1972	CHEV	STAW	140	138	1972	CHEV	MALI	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	9.33	260.6	1353.8	5.64	5.0	26.10	303.2	625.9	0.92	7.5	12.84	204.1	894.8	4.69	7.1
2	1.44	44.3	453.3	0.28	15.6	10.12	109.3	266.9	0.11	18.9	7.40	94.2	272.9	0.28	20.0
3	11.59	303.0	1401.9	1.78	4.4	13.72	352.8	897.9	0.68	5.9	17.46	360.0	867.9	1.37	6.0
4	5.18	184.0	996.6	2.40	6.8	16.08	238.7	345.4	0.86	11.5	5.78	108.9	637.7	2.32	10.7
5	4.28	121.3	731.5	3.47	9.5	5.67	113.8	344.4	1.29	16.4	4.39	66.1	583.0	3.19	12.7
6	0.44	17.1	344.1	0.34	23.8	1.37	37.0	149.9	0.21	41.8	1.88	25.3	206.0	0.77	35.3
7	11.16	527.3	719.5	1.63	5.6	5.31	160.2	302.3	0.94	15.5	8.67	244.8	610.1	1.97	8.7
8	1.42	7.6	364.3	1.06	23.3	1.93	39.2	155.0	0.51	39.9	2.11	23.4	225.2	1.66	33.0
9	2.42	92.2	779.8	4.78	9.5	4.49	97.5	344.2	2.03	17.3	5.59	113.1	538.9	2.93	12.1
10	1.26	6.4	342.8	0.72	24.9	1.17	26.0	161.7	0.41	39.2	6.60	34.7	197.5	1.09	32.5
11	11.61	561.8	752.6	2.47	5.3	9.43	192.8	363.5	1.03	12.7	8.35	219.2	622.4	2.49	8.9
12	2.38	6.4	364.6	0.79	23.2	1.61	31.1	205.0	0.36	34.3	0.97	40.7	201.2	1.17	30.2
13	11.35	530.0	803.0	3.00	5.3	11.72	227.5	396.1	0.93	11.2	8.81	206.0	661.9	3.13	8.8
14	1.56	4.6	322.3	0.72	26.5	1.54	31.9	161.4	0.34	41.0	5.37	33.5	190.0	1.14	34.2
15	0.83	20.6	361.0	0.20	22.4	2.89	68.4	188.7	0.08	29.1	3.52	57.3	218.4	0.27	27.8
16	1.51	55.7	1109.3	0.49	7.4	0.32	22.3	755.7	0.32	11.2	9.19	245.3	472.0	0.50	10.0
17	9.09	378.8	938.1	3.62	5.7	13.71	197.1	452.0	1.24	11.0	8.57	152.9	711.9	3.79	9.1
18	0.46	13.8	351.3	0.27	23.7	1.43	32.6	183.7	0.16	37.1	6.15	43.9	197.5	0.52	31.0
19	5.52	192.0	981.4	4.20	6.8	9.26	151.2	444.6	1.49	12.5	7.59	174.3	657.3	2.64	9.3
20	0.77	15.8	410.3	0.31	20.3	1.21	31.2	241.5	0.20	30.2	11.09	56.7	220.4	0.44	25.7
21	13.32	613.0	871.3	2.62	4.7	13.70	213.5	369.8	0.79	11.9	11.04	301.0	690.7	2.34	7.4
22	1.87	8.9	376.0	0.72	22.4	1.83	35.8	204.8	0.27	33.3	9.25	46.5	205.0	1.03	26.6
23	6.90	178.0	1227.8	5.23	5.8	12.48	237.9	574.4	1.13	9.0	10.74	170.6	802.4	3.64	8.0
24	4.28	161.3	770.4	4.08	8.6	7.09	159.2	338.2	1.10	14.5	6.45	161.1	546.6	2.12	10.8
25	1.65	5.5	324.2	0.81	26.3	1.42	29.5	158.3	0.39	42.4	4.28	33.3	190.5	1.13	34.6
26	1.20	29.8	511.6	0.29	15.8	5.43	131.8	228.6	0.12	19.6	7.87	81.5	279.3	0.29	20.5
27	5.92	251.7	834.8	4.91	7.1	8.62	164.3	383.4	1.28	13.3	7.54	152.7	613.6	3.18	10.1
28	1.36	8.9	370.0	0.61	22.9	1.25	27.6	209.5	0.36	34.6	6.82	53.5	206.3	0.94	27.9
29	6.33	175.1	1084.8	3.52	6.4	9.38	194.6	521.6	1.11	10.4	10.03	163.5	714.0	2.53	8.9
30	9.39	443.4	679.3	2.01	6.3	6.35	154.8	351.9	1.13	14.4	7.81	215.8	577.9	1.99	9.4
31	1.99	5.6	330.8	0.91	25.7	1.40	28.9	153.4	0.43	43.6	3.55	33.2	191.0	1.25	34.9
32	1.47	31.7	496.0	0.28	16.1	2.88	74.0	293.4	0.14	21.2	9.16	97.3	275.0	0.33	19.4
BAG ACT.	3.54	133.2	614.7	2.25	10.6	5.47	108.1	284.9	0.70	18.8	7.31	102.1	417.7	1.91	14.8
CALC.	3.56	131.6	616.0	2.09	10.6	5.32	108.6	282.4	0.71	18.9	7.15	103.7	416.6	1.91	14.7
33	0.65	13.3	116.9	0.08	63.5	0.03	2.9	101.8	0.05	83.3	1.38	28.2	59.7	0.03	81.8
34	8.17	203.2	1408.4	0.83	5.1	12.08	364.6	529.4	0.36	7.8	18.09	344.8	711.8	0.29	6.8
35	2.31	90.9	917.2	0.50	8.3	0.30	29.6	610.9	0.31	13.5	6.33	160.5	599.5	0.38	10.2
36	1.00	63.0	945.7	0.65	8.5	0.22	19.5	393.1	0.19	20.9	3.91	89.3	396.1	0.25	16.2
37	1.19	39.9	439.3	0.42	17.5	0.94	32.4	231.6	0.25	31.1	3.09	71.8	301.7	0.30	20.9
38	0.26	16.2	522.2	1.15	16.2	2.27	48.5	174.7	0.75	34.4	3.13	36.0	327.1	1.21	22.5
39	0.20	10.2	598.5	2.69	14.4	3.20	60.3	219.7	1.88	27.3	3.77	44.4	394.8	2.66	18.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	139	1972	CHEV	ELCA	350	140	1972	CHEV	NOVA	307	141	1972	CHEV	IMPA	400
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	11.86	243.3	759.4	6.24	7.5	12.49	339.9	695.8	2.39	7.0	9.51	271.1	1050.3	5.21	5.9
2	4.32	38.5	224.7	0.32	29.7	4.49	67.7	248.1	0.37	24.1	4.56	136.1	286.3	0.17	17.2
3	14.35	375.3	713.2	0.60	6.6	13.75	316.8	709.5	1.79	7.1	11.19	331.5	1051.2	1.26	5.5
4	5.05	97.3	616.4	3.23	11.3	7.31	131.4	543.8	3.59	11.5	6.29	[illegible]	666.6	1.88	8.9
5	3.72	41.0	567.9	6.53	13.8	5.48	116.5	480.0	3.16	13.0	5.00	146.2	568.7	3.61	10.9
6	1.88	24.6	168.1	1.71	41.7	2.20	20.7	176.5	1.77	41.1	2.76	53.7	198.4	0.99	30.4
7	5.73	84.5	691.9	9.40	10.5	9.46	310.6	509.4	1.52	8.6	8.58	338.6	[illegible]	3.31	7.2
8	1.93	19.1	202.1	3.58	37.2	2.09	20.5	181.1	2.37	40.4	3.21	62.7	[illegible]	1.36	29.1
9	4.54	46.9	560.6	10.30	13.7	6.47	175.7	436.6	3.09	12.1	4.61	113.8	612.5	6.82	11.0
10	5.61	29.8	174.8	2.40	37.1	4.30	31.0	170.7	1.63	38.1	4.36	59.5	200.5	1.13	28.8
11	5.24	74.9	673.7	9.32	11.0	9.50	298.6	498.4	1.64	8.9	6.57	219.2	735.2	4.63	8.1
12	5.74	24.8	177.4	2.57	37.8	5.29	33.4	165.6	1.83	34.8	5.34	67.1	219.2	1.19	25.0
13	5.79	77.6	692.4	10.09	10.7	9.10	264.3	550.2	2.58	8.9	6.82	214.0	772.5	5.01	7.9
14	3.15	22.1	178.8	2.69	39.7	3.91	26.7	169.3	1.84	39.7	4.25	59.1	196.8	1.29	29.3
15	3.24	34.1	161.8	0.33	39.3	2.63	27.7	203.8	0.57	34.7	3.73	96.0	202.4	0.16	24.3
16	7.45	139.0	381.6	0.30	14.2	9.14	185.6	451.7	0.30	11.5	7.57	198.9	634.5	0.37	9.1
17	5.88	87.2	696.5	9.35	10.4	9.58	272.6	550.7	2.18	8.8	6.61	188.0	798.5	5.08	8.0
18	2.65	26.8	168.0	0.84	40.6	3.87	31.4	169.9	1.23	38.3	3.28	58.0	205.1	0.46	28.9
19	4.74	52.1	676.8	9.07	11.5	9.17	272.3	515.3	1.97	9.1	6.08	171.0	758.0	5.02	8.5
20	4.47	38.9	187.2	0.91	33.8	5.03	44.7	199.8	1.44	31.0	4.10	73.6	249.2	0.37	23.5
21	7.82	198.1	694.3	6.85	8.6	11.58	381.4	571.1	1.42	7.4	9.57	373.8	803.8	3.70	6.2
22	7.06	32.7	179.8	2.29	35.0	5.50	38.4	181.5	1.69	34.2	5.27	69.7	221.6	1.00	25.5
23	9.39	167.6	703.0	5.36	8.9	9.49	190.3	664.3	4.29	8.9	8.28	245.2	878.2	3.55	6.9
24	4.16	50.3	583.1	9.18	13.1	7.21	213.0	454.3	2.17	10.9	4.99	143.0	624.6	5.61	10.3
25	2.47	21.9	176.4	2.80	40.6	3.27	26.0	164.1	1.82	41.2	4.59	59.6	183.3	1.16	30.4
26	4.46	44.7	211.3	0.48	30.0	4.13	53.9	277.0	0.43	23.7	5.54	144.8	296.0	0.23	16.4
27	4.84	63.5	631.7	9.28	11.9	8.31	235.4	494.4	2.68	10.0	5.87	173.6	699.4	4.73	9.0
28	6.58	35.6	186.3	2.34	33.7	5.13	43.4	186.7	1.60	32.7	4.81	69.7	224.3	1.05	25.4
29	8.04	148.4	634.4	4.24	9.9	8.56	156.3	604.8	3.93	10.1	7.35	195.1	804.4	3.24	7.8
30	4.40	54.7	646.1	10.37	11.9	8.36	261.9	482.9	1.76	9.6	5.91	189.8	665.8	4.60	9.0
31	1.96	17.4	180.7	3.31	41.4	3.03	25.8	175.1	2.08	39.4	5.35	58.4	175.8	1.10	31.2
32	5.07	42.1	208.5	0.52	30.5	4.84	61.5	254.8	0.42	24.2	5.40	138.4	283.4	0.18	17.1
BAG ACT.	5.51	56.4	424.4	5.06	16.7	6.01	117.2	354.6	2.56	15.9	5.11	139.1	459.1	2.79	12.8
CALC.	5.57	59.0	412.0	5.14	17.0	5.96	117.5	348.8	2.44	16.1	5.13	136.7	448.1	2.58	13.1
33	1.79	23.8	35.2	0.01	113.5	1.03	18.6	61.2	0.06	94.8	0.99	22.6	94.8	0.10	66.5
34	17.09	329.6	567.3	0.25	7.8	11.78	217.3	759.2	0.56	7.8	11.11	244.9	1147.6	1.03	5.7
35	7.14	181.1	364.7	0.20	13.2	4.74	66.4	518.3	0.39	13.9	5.22	141.7	632.3	0.47	10.2
36	3.81	96.1	425.6	0.32	15.1	3.17	41.5	343.8	0.29	21.2	3.42	83.6	407.3	0.31	16.2
37	2.67	31.9	303.2	0.81	24.5	1.93	10.3	290.1	1.01	28.4	2.50	40.8	318.0	1.23	22.8
38	2.86	36.6	330.1	3.41	22.4	2.54	15.4	298.3	4.04	26.9	2.23	21.3	386.6	5.54	20.8
39	3.04	34.9	391.6	6.65	19.5	3.11	33.6	[illegible]	4.65	21.7	3.32	84.6	447.7	5.77	15.0

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	142	1972	CHEV	IMPA	400	143	1972	DODG	CHAR	318	144	1972	FORD	PINT	122
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	20.89	105.7	1322.6	7.58	5.7	9.38	191.6	844.8	5.08	7.5	10.65	193.6	380.8	2.09	12.2
2	20.53	10.5	419.8	0.84	17.7	3.01	36.3	246.6	0.46	28.3	2.27	33.9	148.4	0.40	42.5
3	51.07	87.5	1554.5	6.36	4.8	10.13	233.9	925.2	1.45	6.7	21.17	286.9	456.4	0.57	9.7
4	20.09	40.1	948.2	5.46	8.3	5.96	119.9	588.7	3.13	11.1	5.28	88.4	352.9	2.52	17.5
5	10.77	49.5	797.0	4.96	9.8	5.08	91.9	527.1	4.07	12.9	3.51	68.1	316.6	3.37	20.4
6	8.47	5.7	234.6	1.23	32.8	1.79	15.9	170.1	1.80	44.2	0.98	8.4	97.5	1.05	78.1
7	12.70	307.9	815.3	3.20	6.6	7.77	216.1	626.9	3.71	8.0	3.57	99.2	307.0	2.28	18.7
8	6.23	14.5	240.3	2.02	31.4	1.95	19.4	197.2	2.51	38.0	1.13	15.5	110.9	1.61	63.9
9	6.57	71.1	725.5	5.64	10.3	5.57	128.8	523.9	4.78	11.9	3.23	87.9	303.2	4.66	19.7
10	7.87	16.3	250.2	1.46	29.5	3.07	28.3	185.6	1.79	37.0	1.23	16.1	108.3	1.20	64.5
11	8.55	208.2	852.7	4.20	7.4	8.39	248.6	576.9	2.87	8.9	6.38	133.7	333.3	2.64	15.7
12	7.53	16.9	272.2	1.42	27.5	3.91	28.6	187.4	1.66	36.2	1.45	16.3	108.9	1.35	63.8
13	9.01	174.5	936.5	5.21	7.2	8.00	210.3	615.6	3.85	9.1	8.67	157.4	341.3	2.73	14.4
14	5.94	15.0	243.8	1.70	31.0	2.90	25.5	178.5	1.86	39.0	1.28	17.0	105.0	1.20	65.3
15	14.69	13.2	298.4	0.77	24.3	2.42	34.6	182.9	0.50	36.2	2.21	16.2	92.8	0.26	70.8
16	37.01	28.1	836.1	1.29	8.9	6.06	150.1	422.4	0.20	13.1	4.96	80.0	238.0	0.17	23.4
17	10.27	109.0	1024.3	5.83	7.2	8.15	204.5	632.8	3.24	9.1	10.60	192.2	323.3	1.66	13.5
18	10.01	18.2	268.6	0.59	27.0	2.57	24.0	177.3	1.56	39.8	1.45	11.1	98.2	0.88	73.9
19	12.32	98.2	971.3	5.57	7.6	6.83	153.0	612.4	4.03	10.1	6.83	129.3	349.1	2.74	15.5
20	12.68	12.4	334.8	0.72	22.5	3.35	27.5	200.5	1.54	34.9	1.62	14.0	110.2	0.90	64.6
21	11.45	293.6	957.5	4.37	6.1	10.17	309.9	658.9	2.77	7.5	16.14	135.6	291.6	1.89	16.0
22	8.22	20.8	270.4	1.17	27.0	3.60	31.6	202.9	1.66	33.6	2.32	20.1	105.8	0.93	61.3
23	20.78	69.9	1206.7	7.25	6.4	8.91	199.7	707.7	3.55	8.5	13.81	180.6	395.9	2.53	12.3
24	7.32	92.1	789.2	4.96	9.3	5.87	137.8	525.8	3.78	11.7	3.97	99.0	308.8	4.41	18.6
25	6.12	17.7	227.3	1.48	32.3	2.72	24.2	172.2	1.94	40.5	1.12	14.1	97.6	1.26	72.0
26	20.91	21.9	415.6	1.02	17.2	3.78	59.3	257.3	0.63	24.5	2.97	22.6	128.2	0.28	51.2
27	7.59	106.9	877.6	5.22	8.3	6.55	144.4	588.0	4.72	10.6	6.30	148.9	301.9	2.39	16.0
28	8.88	18.1	273.2	1.35	26.9	3.75	39.5	193.7	1.49	35.1	2.35	19.7	111.8	1.07	59.1
29	23.13	57.2	1099.1	5.99	7.0	7.60	154.7	630 [illegible]	3.50	9.9	11.48	158.2	372.2	2.18	13.5
30	9.25	208.4	821.2	3.93	7.5	7.61	223.3	542 [illegible]	2.71	9.7	4.37	95.1	332.4	3.22	17.9
31	5.35	16.0	224.1	1.39	33.3	2.65	25.1	176.5	1.90	39.6	1.13	14.6	96.6	1.28	72.0
32	16.53	16.0	410.6	0.43	18.2	3.92	62.3	238.2	0.38	25.5	2.85	21.2	123.5	0.27	53.5
BAG ACT.	9.93	66.4	565.8	3.28	12.6	4.94	94.6	393.9	2.93	15.9	4.63	69.9	220.6	2.02	25.7
CALC.	10.01	65.5	560.8	3.10	12.8	4.97	95.8	387.9	2.86	16.0	4.68	69.5	217.6	1.95	26.0
33	4.73	0.7	106.2	0.34	72.6	0.59	10.7	61.0	0.04	111.2	0.57	12.7	20.8	0.01	208.9
34	54.28	5.6	1258.5	2.32	6.2	5.85	93.0	757.5	0.46	9.6	4.11	119.3	352.4	0.18	16.1
35	36.51	4.8	816.7	1.31	9.4	3.69	69.8	536.8	0.38	13.5	4.19	74.5	377.5	0.42	17.5
36	23.10	2.9	524.2	0.90	14.7	2.23	38.5	312.6	0.22	23.3	2.35	55.7	209.3	0.21	29.2
37	19.82	2.2	347.6	1.89	21.4	1.99	24.4	261.3	0.64	29.0	1.84	30.5	189.2	0.68	36.5
38	11.16	4.4	396.3	2.97	20.2	2.29	14.5	295.1	3.93	27.3	1.59	20.0	187.0	2.04	39.7
39	5.93	23.6	463.9	4.77	17.1	2.85	37.2	340.3	4.28	21.8	1.96	34.4	229.4	3.29	30.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	145	1972	FORD	TORI	351	146	1972	FORD	MAVE	302	147	1972	FORD	GALA	351
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	9.00	240.4	991.4	5.65	6.3	7.34	116.1	794.0	7.90	8.9	8.73	220.2	968.5	6.58	6.6
2	3.12	122.9	345.3	0.33	16.2	2.83	35.6	235.3	0.82	29.6	2.93	92.3	335.7	0.28	18.1
3	8.89	301.7	1101.7	2.33	5.5	7.35	143.3	782.1	0.83	8.6	9.77	341.5	968.4	1.29	5.8
4	4.88	115.1	678.4	3.53	10.1	5.17	98.6	528.5	4.11	12.7	5.31	151.6	710.3	3.11	9.2
5	4.63	114.0	578.3	3.30	11.5	4.13	60.0	472.4	5.84	15.3	4.24	82.1	569.6	5.22	12.5
6	1.84	37.8	213.7	1.09	31.8	1.75	15.6	166.0	2.39	45.3	1.91	32.8	215.4	1.37	32.5
7	7.59	289.6	680.3	2.52	7.7	7.22	205.2	549.3	4.14	9.9	6.84	182.7	739.0	7.82	8.5
8	2.80	37.9	204.8	1.71	32.5	1.94	19.2	200.5	3.94	37.5	2.29	30.4	220.4	3.46	32.2
9	5.87	208.7	533.0	2.48	10.1	4.57	78.9	482.1	7.70	14.3	5.01	126.6	548.8	5.21	11.6
10	3.25	50.1	215.0	1.39	29.2	3.37	17.9	182.8	2.91	40.0	2.74	45.3	209.7	2.24	30.6
11	8.20	340.7	654.3	1.57	7.3	7.00	190.2	532.4	5.01	10.4	8.12	281.7	606.0	3.08	8.3
12	3.90	60.6	221.5	1.25	27.0	3.78	18.0	184.2	2.94	39.6	3.69	52.0	232.8	2.44	27.2
13	8.29	324.6	678.9	2.33	7.3	6.30	130.3	597.2	8.79	10.8	6.52	165.0	731.1	7.71	8.8
14	2.91	45.3	200.4	1.39	31.6	2.51	17.6	160.0	3.16	41.1	2.79	40.1	201.9	2.32	32.4
15	2.25	71.6	261.7	0.27	23.3	2.01	15.0	169.2	0.69	40.5	2.56	73.8	249.3	0.37	23.8
16	6.40	303.8	628.8	0.40	7.9	4.45	68.7	445.5	0.27	15.6	7.81	288.3	554.7	0.20	8.6
17	7.08	206.6	740.3	3.76	8.2	5.84	93.1	616.3	9.08	11.4	6.69	172.2	743.6	5.73	8.6
18	2.26	64.6	211.9	0.62	27.7	2.30	18.0	171.1	2.13	42.9	2.27	53.1	218.2	0.97	28.7
19	7.69	294.3	653.4	2.33	7.8	5.28	79.8	584.1	8.58	12.2	6.45	166.1	702.3	5.97	9.0
20	2.83	81.9	256.1	0.82	22.5	3.26	19.9	192.1	2.41	37.3	2.67	68.2	253.2	0.91	24.1
21	10.06	433.6	745.2	1.45	6.1	8.78	269.8	600.4	4.05	8.4	9.83	345.3	715.7	3.36	6.9
22	3.37	60.5	230.6	1.25	26.4	3.76	20.5	193.0	2.94	37.4	4.19	57.0	224.5	1.56	27.1
23	8.09	222.4	831.0	5.19	7.4	7.01	132.0	666.9	6.42	9.9	7.39	205.9	886.8	4.27	7.2
24	6.63	258.8	531.6	1.58	9.3	4.63	88.8	497.1	6.81	13.6	5.31	143.6	564.1	4.38	11.0
25	3.54	42.8	194.8	1.37	32.5	2.00	16.9	177.6	3.22	42.2	3.24	38.3	195.2	2.13	33.4
26	3.12	108.3	362.8	0.34	16.3	3.00	28.9	253.2	0.96	28.8	3.29	99.4	347.5	0.29	17.3
27	6.96	241.9	621.7	2.77	8.7	5.27	97.5	553.0	8.61	12.3	5.19	106.6	680.0	7.89	10.3
28	3.56	68.4	229.3	1.20	25.5	3.73	22.7	195.6	2.87	36.5	3.53	57.7	227.1	1.93	27.0
29	7.45	197.6	750.1	3.80	8.2	5.89	85.6	612.7	5.83	11.6	6.42	187.9	819.1	2.99	7.8
30	7.47	300.5	592.3	1.40	8.2	6.67	199.2	485.2	3.54	10.8	7.30	263.5	555.1	1.87	8.9
31	4.77	52.3	171.5	0.99	33.0	1.86	16.5	173.1	3.21	43.3	4.40	39.3	179.8	2.09	34.7
32	3.31	119.0	335.3	0.29	16.7	3.11	30.9	236.7	0.84	30.1	3.80	114.7	310.0	0.16	17.7
BAG ACT.	4.79	142.3	444.7	2.19	13.0	4.31	66.7	381.5	4.86	17.7	4.48	104.9	444.8	3.85	14.2
CALC.	4.78	142.4	425.7	2.14	13.4	4.32	66.3	369.4	4.88	18.2	4.47	106.3	433.3	3.81	14.4
33	0.86	30.7	93.9	0.08	61.3	0.51	7.5	61.3	0.05	118.8	1.01	34.8	75.6	0.06	66.5
34	9.57	377.7	1105.1	0.88	5.1	5.33	63.8	756.4	0.44	10.2	11.77	415.1	958.8	0.69	5.4
35	3.79	105.5	936.4	1.09	8.0	3.06	38.1	528.1	0.40	14.8	4.52	156.9	589.6	0.41	10.4
36	2.44	77.2	582.8	0.72	12.5	2.00	24.2	352.1	0.32	22.4	3.03	104.6	373.6	0.26	16.2
37	1.65	29.2	374.0	0.67	20.9	2.02	21.0	271.9	1.00	28.5	1.87	43.9	300.4	0.44	23.6
38	2.27	19.8	338.9	3.18	23.5	2.62	24.2	307.1	5.56	25.1	2.39	28.6	317.0	2.52	24.0
39	3.12	49.6	386.2	5.09	18.7	2.88	39.4	374.3	7.19	19.9	3.17	46.1	383.2	5.90	19.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	148	1972	FORD	STAW	400	149	1972	MERC	MONG	400	150	1972	OLDS	CUTL	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	9.01	145.3	1071.8	7.86	6.7	6.22	217.5	1062.0	6.13	6.2	7.85	189.8	1085.9	5.47	6.3
2	2.10	31.0	370.7	0.67	20.8	2.55	81.2	419.2	0.46	16.0	3.29	73.9	395.3	0.36	17.0
3	8.68	111.3	1188.4	3.11	6.4	8.56	288.7	1186.1	1.62	5.3	9.28	272.9	1269.0	1.69	5.1
4	5.71	65.7	760.6	6.56	10.1	4.19	131.9	708.0	3.30	9.6	5.12	120.6	732.7	3.43	9.5
5	4.57	62.7	655.0	5.91	11.6	3.38	94.8	620.7	4.74	11.4	4.84	63.6	613.5	5.59	12.2
6	1.38	5.8	241.1	1.66	34.9	2.05	36.9	280.6	1.67	26.8	1.87	25.3	218.5	1.14	33.6
7	7.66	217.6	792.8	4.45	7.7	4.62	196.5	790.7	5.05	7.9	8.91	326.2	666.3	2.36	7.4
8	1.75	13.4	279.2	3.26	29.0	1.99	28.8	311.9	2.85	24.6	2.26	23.9	225.7	2.19	32.8
9	4.31	43.6	721.3	9.51	11.0	3.06	52.9	675.8	9.12	11.5	5.50	157.7	569.9	4.07	10.6
10	3.02	19.5	266.0	2.33	28.7	3.49	35.3	291.0	2.08	24.8	2.04	29.3	237.1	1.48	30.6
11	5.65	81.9	809.9	11.58	8.6	3.75	95.4	832.9	10.50	8.9	7.91	286.8	677.7	2.82	7.7
12	5.11	21.1	265.7	2.51	28.2	4.94	37.1	307.0	2.21	23.3	2.61	33.5	255.4	1.58	28.1
13	5.67	62.7	938.3	12.65	8.4	3.99	85.5	870.8	10.62	8.7	7.95	265.5	736.0	3.86	7.5
14	3.34	14.7	249.2	2.34	31.4	3.42	33.6	278.8	2.06	25.9	1.96	25.8	216.7	1.61	33.7
15	1.29	9.6	287.7	0.58	28.9	1.64	30.4	382.7	0.47	21.7	2.31	45.8	290.3	0.33	24.0
16	5.63	107.4	666.2	0.15	10.4	4.13	139.3	840.3	0.60	8.3	6.10	136.3	829.4	0.57	8.3
17	7.24	118.5	876.7	8.40	8.2	4.67	138.1	814.3	8.12	8.5	6.58	155.6	835.1	4.91	8.1
18	2.67	15.7	251.5	1.47	31.2	2.61	41.7	275.6	1.19	25.4	2.01	33.9	244.9	1.01	29.1
19	6.46	103.8	813.4	7.44	8.9	4.18	127.8	757.0	6.52	8.1	5.71	134.1	798.7	4.62	8.6
20	3.21	22.9	286.0	1.36	26.7	2.89	50.8	330.1	1.44	20.8	2.49	44.9	297.6	0.93	23.6
21	7.41	142.6	1001.6	10.60	7.1	4.69	186.3	979.1	9.80	7.3	11.28	449.2	753.3	1.85	5.9
22	4.43	23.2	276.5	2.21	27.1	4.15	46.4	363.6	1.86	22.8	2.48	35.7	262.0	1.48	27.2
23	7.94	104.9	967.4	8.38	7.7	5.42	172.1	914.3	6.61	7.4	6.84	142.3	990.1	4.96	7.2
24	4.65	57.1	740.3	8.49	10.5	3.36	80.7	687.2	6.31	10.8	6.32	200.6	587.7	3.25	9.6
25	3.66	16.7	236.8	2.44	32.3	3.94	37.9	260.5	1.99	26.7	2.23	27.6	215.0	1.73	33.4
26	1.86	20.1	397.6	0.60	20.4	2.99	101.4	423.3	0.46	15.0	3.34	63.3	409.5	0.57	17.1
27	5.66	72.9	812.4	9.87	9.4	3.99	102.2	745.9	9.08	9.7	5.79	142.9	723.3	4.85	9.2
28	4.19	24.7	277.8	2.14	26.9	3.53	52.9	310.9	1.74	21.9	2.26	38.5	275.8	1.53	25.8
29	6.68	62.3	885.8	8.41	8.8	5.04	177.2	795.9	4.25	8.1	6.12	125.7	874.3	4.11	8.1
30	5.33	75.0	796.4	9.33	9.5	3.59	90.8	750.5	8.44	9.7	8.03	295.0	611.8	2.36	8.1
31	3.14	16.4	233.7	2.36	33.0	4.90	38.4	248.0	1.95	27.4	2.34	26.4	215.7	1.75	33.5
32	2.09	31.6	374.3	0.54	20.6	2.91	87.0	429.1	0.52	15.4	3.17	66.2	393.9	0.41	17.5
BAG ACT.	4.43	47.4	565.4	5.74	13.6	3.48	75.2	553.1	4.85	13.0	4.25	106.8	467.3	2.91	13.7
CALC.	4.32	47.5	547.8	5.59	14.0	3.46	75.5	543.9	4.79	13.2	4.30	106.0	465.3	2.81	13.7
33	0.85	14.9	90.4	0.06	76.2	0.50	14.8	116.6	0.13	62.7	0.85	18.7	107.1	0.10	63.8
34	9.50	157.8	1110.3	0.57	6.4	5.61	171.4	1447.3	1.49	5.1	9.51	218.3	1316.8	1.10	5.3
35	4.53	76.3	563.7	0.29	12.7	2.86	77.2	734.5	0.72	10.3	4.21	116.5	693.4	0.48	10.0
36	2.92	42.3	430.7	0.29	17.5	1.60	35.4	666.3	0.88	12.2	2.79	75.7	467.7	0.33	14.9
37	1.27	4.9	416.8	1.09	20.7	1.21	13.9	432.4	1.17	19.4	2.37	40.3	282.2	0.46	25.1
38	2.34	12.5	429.8	4.30	19.4	1.70	26.5	423.8	4.15	18.9	2.42	24.9	318.9	2.53	24.3
39	3.36	30.9	506.6	7.33	15.6	2.49	61.0	472.7	4.96	15.4	2.70	25.8	398.2	4.90	19.8

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	151	1972	PLYM	DUST	225	152	1972	PLYM	FRY3	360	153	1972	PONT	CATA	400
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	8.29	222.9	648.8	2.83	8.7	12.87	254.1	1025.3	5.58	6.1	8.86	182.1	1144.0	10.35	6.1
2	1.91	9.1	190.5	1.74	42.1	5.46	66.8	276.6	0.51	22.3	2.78	44.6	337.7	0.62	21.3
3	6.50	80.3	717.4	1.13	10.3	14.10	196.1	1163.3	5.85	5.9	11.36	257.3	1215.2	3.36	5.4
4	4.83	87.1	500.9	3.93	13.6	8.95	116.8	708.3	6.19	9.6	4.55	60.9	807.6	6.77	9.7
5	3.66	61.2	447.9	6.13	16.0	6.94	82.4	602.0	6.14	11.8	3.44	24.3	674.3	12.89	12.3
6	1.41	16.5	134.7	2.34	53.8	2.94	26.7	192.7	1.70	36.4	1.90	12.4	210.2	2.19	37.7
7	5.65	177.8	522.8	4.72	10.8	10.26	285.8	670.3	3.15	7.7	7.37	232.2	726.0	6.09	8.0
8	1.39	18.9	162.5	4.00	45.1	3.17	35.9	201.6	2.59	33.1	1.65	6.8	234.5	5.07	35.5
9	4.44	132.5	414.9	4.86	13.9	5.39	64.1	625.5	7.62	11.9	4.26	67.2	645.7	11.39	11.6
10	2.12	19.2	147.4	2.89	48.2	3.67	40.9	190.5	1.76	33.3	5.43	13.5	215.1	3.27	35.0
11	6.32	212.7	478.9	3.09	10.7	8.87	207.5	757.5	5.49	8.0	8.87	211.5	728.8	7.22	8.1
12	2.09	21.5	148.9	3.08	46.9	4.41	43.8	208.8	1.98	30.4	6.57	16.1	232.4	3.97	31.9
13	6.31	197.1	495.5	3.95	10.8	7.76	143.6	811.7	7.42	8.4	7.60	175.2	799.4	10.96	8.1
14	1.48	19.2	146.2	2.97	49.0	3.37	34.7	194.9	2.13	34.1	4.36	12.2	210.6	3.85	36.4
15	1.63	2.2	133.5	1.32	62.4	3.55	42.8	199.1	0.44	32.0	5.08	27.8	218.9	0.93	31.8
16	3.79	41.9	318.6	0.40	22.4	7.20	149.3	468.5	0.20	12.2	26.26	130.1	537.2	0.76	10.8
17	6.56	205.9	491.2	2.98	10.6	8.44	147.0	823.9	6.87	8.2	7.78	105.1	858.7	13.96	8.5
18	1.49	17.6	126.8	1.68	55.8	2.98	32.4	189.9	1.47	35.5	4.58	24.5	206.4	1.68	34.2
19	5.66	164.1	486.7	3.56	11.6	8.09	150.9	760.0	6.05	8.7	8.22	76.9	794.4	14.21	9.4
20	2.26	19.3	142.0	2.13	49.4	3.44	38.1	226.6	1.64	29.8	7.13	32.1	245.6	1.77	27.9
21	6.86	233.4	551.9	3.56	9.4	12.39	373.8	775.2	2.97	6.3	9.53	338.6	828.5	4.78	6.4
22	2.58	21.4	148.8	2.75	46.6	4.42	44.4	196.6	1.61	31.6	6.89	18.3	226.7	3.25	32.0
23	6.68	110.9	589.1	5.26	11.3	14.40	157.8	902.5	7.13	7.4	9.84	100.1	952.7	14.89	7.8
24	4.71	147.9	410.4	3.67	13.5	6.52	107.5	627.3	6.02	10.9	4.68	73.4	650.3	12.22	11.3
25	1.29	18.5	135.5	2.78	52.6	3.63	37.5	168.8	1.73	37.1	3.75	13.6	204.9	3.68	37.3
26	2.22	4.7	178.1	1.62	46.1	5.88	54.3	283.2	0.58	22.9	6.29	40.3	338.7	1.48	21.0
27	5.44	168.7	440.4	3.92	12.3	7.71	136.5	695.8	6.36	9.5	5.68	69.5	764.6	15.75	10.0
28	2.73	22.2	147.5	2.58	46.5	3.57	41.6	207.1	1.66	31.3	6.69	19.8	229.4	2.99	31.5
29	5.52	94.0	528.1	4.71	12.8	9.80	146.6	816.5	6.71	8.2	9.53	87.5	847.4	14.25	8.7
30	5.21	177.9	442.9	3.46	12.0	6.97	130.3	695.9	6.06	9.6	6.59	194.8	667.4	7.57	8.9
31	1.29	18.8	141.1	3.23	50.8	3.64	38.0	186.9	2.23	34.4	3.41	12.8	207.6	4.06	37.2
32	2.21	7.7	176.1	1.34	45.5	4.51	58.9	270.9	0.47	23.5	8.08	48.3	304.1	0.77	21.9
BAG ACT.	3.73	76.6	319.9	4.07	19.6	5.76	93.2	456.8	3.97	14.3	5.77	64.2	483.4	6.45	14.7
CALC.	3.78	78.0	313.6	3.99	19.8	5.85	94.6	446.9	3.84	14.5	5.75	65.9	479.2	7.17	14.8
33	0.37	3.3	42.1	0.04	183.3	0.84	17.0	65.2	0.04	93.8	0.91	15.0	80.3	0.07	[illegible]
34	4.00	42.1	500.5	0.37	15.3	9.94	219.0	818.3	0.43	7.4	9.23	142.7	999.9	0.76	[illegible]
35	2.70	34.2	422.1	0.39	18.3	6.88	137.6	525.8	0.33	11.6	3.77	54.7	647.8	0.49	11.9
36	1.79	17.5	248.5	0.29	31.5	5.15	105.6	378.6	0.32	15.8	2.66	36.8	415.8	0.36	18.4
37	1.57	4.0	221.2	1.89	38.2	4.50	47.8	302.6	1.31	22.6	1.26	8.3	364.7	0.94	23.2
38	2.02	28.5	250.9	4.02	29.4	3.87	35.8	344.7	3.96	21.5	1.90	10.4	380.5	3.94	22.0
39	2.08	37.4	328.1	7.55	22.6	4.68	70.6	406.9	5.51	16.7	2.03	5.2	491.9	10.88	17.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

MODE NO.	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	154	1972	PONT	VENT	350	155	1972	DATS	510	97	156	1972	TOYO	CORO	120
	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	25.43	321.2	837.5	3.51	6.2	4.76	175.4	376.9	0.93	13.3	7.28	133.0	568.2	2.82	11.1
2	11.91	112.6	252.5	0.23	19.0	0.92	0.9	138.6	0.82	62.1	2.78	92.8	158.6	0.19	28.3
3	46.80	432.2	800.3	1.55	5.5	5.69	128.3	366.6	0.49	15.1	5.70	74.3	786.5	1.81	9.6
4	9.74	177.8	629.8	2.37	9.4	2.19	42.1	373.8	2.00	19.9	3.47	98.9	411.2	2.27	15.4
5	5.29	81.4	581.7	4.18	12.2	2.18	71.8	287.2	1.66	21.8	2.32	35.9	367.8	4.78	20.6
6	2.45	38.4	211.5	0.53	31.7	0.21	0.4	109.7	0.62	80.0	1.04	13.0	133.6	1.21	56.4
7	7.32	166.9	690.1	5.09	9.1	3.74	116.0	350.5	2.51	16.3	2.77	62.3	363.3	4.02	18.9
8	2.13	30.8	246.7	1.37	29.4	0.63	0.6	123.1	2.09	70.5	0.97	8.8	144.5	2.20	55.0
9	4.32	45.0	613.1	7.12	12.7	2.21	66.9	292.6	2.40	21.9	2.39	33.7	362.4	6.69	21.0
10	5.38	40.4	215.3	0.97	30.0	0.66	1.1	116.0	1.45	74.1	1.11	17.4	146.7	1.53	50.0
11	6.69	93.4	724.4	8.18	9.9	3.91	137.5	325.3	2.00	16.0	3.67	104.7	396.4	3.34	15.5
12	7.46	44.7	220.3	1.08	28.3	0.66	0.4	116.6	1.78	74.4	1.22	17.7	143.3	1.64	50.7
13	8.33	106.2	755.2	8.16	9.4	4.58	155.6	333.2	1.95	15.0	4.79	104.4	431.7	3.46	14.5
14	4.75	35.9	213.0	1.05	31.2	0.51	0.3	113.9	1.63	76.5	1.15	15.9	140.8	1.67	52.4
15	4.61	66.3	207.3	0.24	27.2	1.05	0.6	104.0	0.59	81.9	1.78	44.3	149.1	0.24	39.6
16	19.47	272.5	471.0	0.20	9.2	2.91	44.4	177.0	0.17	34.7	2.98	92.0	207.6	0.20	20.1
17	10.66	135.0	744.7	6.06	9.0	4.17	140.4	354.0	2.20	15.1	7.61	112.4	426.3	2.92	14.2
18	5.70	51.4	202.0	0.45	29.5	0.32	0.0	111.3	0.61	79.0	1.48	25.2	136.5	0.75	49.1
19	7.89	110.6	720.9	6.23	9.7	3.82	91.9	340.7	2.15	17.9	4.28	71.2	418.2	4.93	16.3
20	7.65	68.1	236.5	0.54	24.1	0.49	0.0	124.6	0.68	70.2	1.48	24.2	142.8	0.85	47.8
21	12.15	273.5	732.2	3.91	7.4	4.97	164.5	380.3	2.49	13.6	6.98	136.3	380.1	1.99	14.4
22	8.55	50.4	214.7	0.94	27.6	0.95	1.3	118.0	1.55	72.2	1.28	17.2	147.0	1.64	49.8
23	17.64	206.1	800.6	4.25	7.5	5.64	132.5	384.6	1.69	14.5	7.95	92.5	538.4	3.23	12.5
24	5.18	72.8	616.3	6.35	11.9	2.86	99.6	297.8	2.01	19.2	2.63	84.6	380.4	5.22	19.3
25	4.74	35.6	210.3	1.06	31.6	0.47	0.3	107.5	1.62	81.1	1.12	16.7	130.6	1.58	55.3
26	8.31	99.1	284.5	0.34	19.0	1.45	0.9	143.0	0.66	59.6	2.01	50.3	173.1	0.29	34.3
27	7.55	93.4	676.2	6.77	10.5	3.60	130.7	289.6	1.50	17.5	3.96	65.6	404.7	4.32	17.1
28	7.91	56.2	225.5	0.88	26.2	1.27	1.7	119.5	1.43	70.4	1.35	24.2	147.0	1.34	46.9
29	16.48	200.3	717.5	3.31	8.2	3.77	73.0	391.2	2.43	17.1	7.38	95.7	490.6	2.21	13.4
30	6.17	117.9	649.8	5.52	10.4	3.28	123.7	330.3	2.10	16.6	3.34	92.8	375.1	3.42	16.7
31	3.43	40.3	214.1	1.06	30.8	0.49	0.3	107.2	1.76	81.3	1.15	15.7	132.9	1.63	55.1
32	10.70	107.1	261.9	0.29	19.1	1.31	0.9	133.4	0.65	63.9	2.10	56.3	162.7	0.19	34.4
BAG ACT.	7.23	86.7	455.2	3.09	14.4	2.32	46.6	224.3	2.14	29.1	2.53	46.3	276.0	2.99	24.9
CALC.	7.40	87.8	446.2	3.10	14.6	2.41	47.2	224.3	2.06	29.0	2.53	46.1	273.5	2.90	25.1
33	3.41	33.7	58.8	0.04	72.4	0.49	6.2	17.3	0.02	309.5	0.31	3.9	32.3	0.08	225.4
34	42.28	377.7	704.9	0.40	6.2	5.16	68.3	246.5	0.21	24.0	3.63	23.8	975.3	0.40	8.7
35	22.11	185.8	342.2	0.19	12.6	2.45	35.0	145.2	0.16	42.7	3.26	77.6	490.6	0.59	14.2
36	7.57	129.9	351.1	0.23	15.3	1.42	11.5	184.1	0.40	43.0	2.04	46.0	309.6	0.35	22.9
37	2.77	48.0	314.3	0.52	22.3	0.71	2.1	159.8	0.97	53.7	1.65	34.4	238.4	0.66	29.8
38	2.13	25.4	387.3	1.88	20.5	0.21	1.7	217.9	1.29	40.1	1.52	14.0	216.7	3.03	36.4
39	2.67	28.7	467.0	3.85	17.0	0.70	1.8	222.3	3.16	39.0	1.73	20.1	272.7	4.86	28.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	157	1972	VOLK	SEDA	97	158	1972	VOLK	SEDA	97	159	1971	BUIC	STAW	455
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	12.04	183.8	456.3	1.89	11.3	9.77	184.9	494.2	1.80	11.8	9.41	444.9	1239.4	3.38	4.5
2	1.46	30.4	154.5	0.33	42.9	1.52	11.2	189.2	0.60	41.9	16.96	89.7	577.6	1.34	11.5
3	11.44	220.8	536.6	0.34	9.6	8.46	149.7	671.2	0.51	9.5	11.43	345.1	1489.8	2.05	4.3
4	4.06	89.1	338.9	1.11	18.0	2.96	47.2	394.6	1.98	18.6	5.55	191.1	872.4	2.51	7.5
5	2.62	45.5	322.3	2.46	22.1	2.41	32.0	321.4	2.62	23.4	9.22	146.8	679.0	4.18	9.5
6	0.64	11.0	107.7	0.75	69.9	0.71	5.3	106.7	0.94	75.7	6.09	40.5	303.9	1.44	22.6
7	1.50	48.8	230.4	1.72	28.5	1.82	65.3	248.2	1.51	24.9	11.29	540.0	712.0	1.67	5.6
8	0.95	32.1	148.6	1.85	43.9	0.94	33.2	109.5	0.87	53.9	7.84	49.1	295.2	2.20	22.3
9	1.50	34.3	279.6	3.09	26.2	1.58	35.9	287.3	3.32	25.5	6.47	275.3	696.0	3.36	8.0
10	0.78	19.8	117.4	1.15	58.8	0.87	12.1	121.3	1.30	62.0	11.94	51.4	325.9	1.84	20.0
11	4.66	73.3	292.2	2.53	21.0	4.61	68.2	309.3	2.73	20.6	8.45	448.7	789.3	2.36	5.8
12	0.94	28.8	112.8	0.80	55.1	0.99	14.9	113.9	1.26	63.1	13.39	56.1	355.1	1.94	18.3
13	6.30	79.3	318.7	2.87	19.2	6.50	82.3	330.4	2.82	18.5	7.73	376.3	879.3	3.70	5.9
14	0.64	21.7	113.5	0.96	59.0	0.64	11.4	114.7	1.39	65.6	10.51	53.0	289.8	1.59	21.8
15	1.26	24.4	109.1	0.27	58.6	1.03	5.0	125.7	0.43	64.9	15.52	60.8	411.7	1.10	16.0
16	4.71	98.9	216.2	0.20	23.0	3.08	61.2	322.3	0.30	20.7	12.33	232.4	1279.5	1.39	5.3
17	8.93	109.5	363.9	2.73	15.7	9.65	106.5	378.1	2.56	15.4	6.42	242.8	987.0	5.33	6.4
18	0.78	12.9	107.1	0.74	68.3	0.95	6.4	121.7	1.01	65.8	11.24	54.9	333.4	1.21	19.5
19	4.60	64.4	354.0	2.68	17.7	4.10	61.2	388.0	3.28	17.8	6.28	239.6	921.1	4.32	6.7
20	0.88	14.6	128.6	0.91	57.5	1.09	9.9	134.3	1.03	57.9	13.35	66.0	420.7	1.03	15.7
21	6.79	94.8	290.8	2.16	19.2	7.09	78.7	310.5	2.34	19.4	11.27	684.0	869.8	1.56	4.5
22	1.16	41.4	115.8	0.82	48.1	1.67	39.5	120.0	0.73	47.3	12.94	58.7	357.6	1.71	18.1
23	10.05	160.3	396.1	1.45	13.1	10.73	106.6	441.8	2.27	13.8	10.02	251.9	1151.1	4.64	5.6
24	2.68	44.6	287.1	2.84	24.3	3.22	38.8	307.7	3.32	23.4	7.80	302.1	661.1	2.70	7.6
25	0.78	18.5	110.9	1.20	62.3	0.93	24.3	110.2	0.80	58.7	10.16	49.7	277.7	1.59	22.9
26	1.67	28.1	143.9	0.34	45.9	1.54	0.0	184.6	0.92	46.8	21.56	90.8	587.7	1.50	11.1
27	4.88	74.3	311.9	2.90	20.0	5.23	68.1	324.2	3.01	19.8	5.96	236.8	824.1	4.58	7.3
28	1.23	22.7	128.6	1.24	52.8	1.78	26.1	129.8	0.91	50.3	13.16	65.4	357.5	1.62	17.7
29	8.21	123.6	378.5	1.71	14.8	8.45	108.1	402.8	1.70	14.8	12.09	225.4	1036.2	3.49	6.2
30	2.82	52.2	285.4	2.59	23.6	3.30	42.3	312.9	3.27	22.8	10.06	463.5	650.9	1.65	6.3
31	0.84	32.9	97.9	0.67	58.3	1.36	32.5	108.9	0.90	59.0	9.98	52.3	288.0	1.86	22.1
32	1.63	24.7	140.3	0.33	48.1	1.96	3.5	180.0	0.80	46.3	20.87	91.3	575.9	1.41	11.3
BAG ACT.	3.27	52.6	234.7	1.91	27.1	3.07	46.2	244.3	1.99	27.2	9.17	175.2	580.6	2.91	10.0
CALC.	3.10	52.3	225.7	1.86	27.9	3.08	46.1	237.9	1.91	27.7	8.92	174.5	570.6	2.79	10.2
33	0.64	12.8	26.4	0.02	183.0	0.46	9.8	30.3	0.04	160.8	1.37	31.1	170.2	0.24	39.7
34	5.50	139.2	434.8	0.30	13.2	4.20	79.6	533.6	0.34	13.2	15.43	373.6	2053.5	2.88	3.3
35	2.75	76.9	440.0	0.45	15.6	2.43	48.2	467.7	0.47	16.1	9.39	174.9	1038.2	1.11	6.6
36	1.80	55.9	250.6	0.24	25.8	1.39	28.0	282.6	0.28	26.8	6.29	118.6	686.4	0.81	9.9
37	1.22	33.5	195.4	0.45	35.2	0.93	13.7	219.0	0.73	36.5	15.71	48.5	365.4	1.30	18.1
38	0.98	17.9	203.6	1.66	37.8	0.98	12.9	208.3	2.13	38.3	7.20	61.8	406.7	3.15	16.9
39	1.17	17.2	257.5	3.99	30.8	1.06	12.8	248.8	3.93	32.6	4.10	109.3	460.8	3.56	13.8

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

MODE NO.	VEH 160	YEAR 1971	MAKE BUIC	MODL RIVI	CID 455	VEH 161	YEAR 1971	MAKE CHEV	MODL VEGA	CID 140	VEH 162	YEAR 1971	MAKE CHEV	MODL NOVA	CID 350
	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	42.76	549.7	877.7	1.79	4.7	18.07	289.3	502.2	0.95	6.8	17.29	551.6	842.7	1.03	5.0
2	11.54	111.5	275.6	0.21	18.2	4.07	34.5	210.3	0.87	32.0	5.24	86.4	329.0	0.32	18.4
3	74.20	571.1	868.7	0.72	4.4	9.55	107.0	684.9	0.83	10.0	14.31	273.8	917.6	1.02	6.4
4	23.10	295.4	624.4	0.90	7.6	7.59	132.4	404.7	0.89	13.9	13.74	290.7	595.4	0.87	8.1
5	12.64	224.0	551.7	1.18	9.4	6.55	133.5	303.8	1.28	16.6	7.24	223.7	536.6	1.36	9.7
6	4.41	63.1	194.2	0.30	28.9	2.31	40.1	106.3	0.48	50.3	2.23	16.9	222.8	0.87	34.6
7	18.69	485.9	628.9	1.19	6.1	6.70	190.2	296.5	0.59	14.4	11.19	437.7	629.4	0.93	6.6
8	3.98	61.7	209.0	0.73	27.9	3.03	66.9	107.3	0.34	48.0	2.66	35.0	235.8	1.39	29.7
9	10.80	249.9	540.1	1.71	9.2	5.22	117.9	306.2	1.50	17.5	7.36	248.8	559.5	1.77	9.1
10	8.79	58.3	193.0	0.58	28.4	3.42	57.5	105.9	0.29	42.9	3.94	40.1	212.2	0.94	30.9
11	16.76	397.9	643.3	1.87	6.7	12.06	234.9	310.9	0.61	12.4	11.57	458.3	601.2	0.73	6.5
12	9.26	61.6	205.2	0.73	26.8	4.40	61.7	100.9	0.27	41.9	5.87	50.6	225.0	1.05	27.5
13	17.35	366.7	693.8	2.49	6.7	15.14	257.0	319.4	0.56	11.5	11.69	446.2	641.2	0.98	6.4
14	5.48	52.2	189.0	0.65	30.8	3.43	56.2	99.5	0.32	46.0	3.81	40.3	197.9	0.91	32.5
15	7.67	74.4	233.3	0.19	23.7	2.86	25.5	138.4	0.33	47.3	4.31	64.2	229.4	0.40	25.8
16	35.50	302.4	446.5	0.18	8.6	7.38	83.3	389.1	0.38	16.3	11.55	213.8	605.9	0.40	9.1
17	21.35	341.5	748.7	2.46	6.6	18.47	243.6	342.8	0.69	11.3	13.34	489.5	637.7	0.72	6.1
18	6.30	65.1	194.8	0.27	28.0	3.18	47.3	108.9	0.35	45.9	3.11	30.4	235.6	0.79	30.3
19	18.17	283.9	695.3	2.20	7.4	10.18	190.8	354.5	0.76	12.9	10.30	362.4	650.4	1.34	7.1
20	10.29	82.5	224.0	0.32	23.0	3.55	55.2	129.9	0.41	39.0	3.94	45.7	268.0	0.84	25.2
21	22.27	527.5	738.1	1.91	5.4	15.69	227.5	304.5	0.58	12.5	14.38	578.2	688.4	0.77	5.4
22	10.78	70.9	202.3	0.56	25.5	5.31	65.1	109.8	0.27	38.8	4.91	54.5	224.8	0.80	27.2
23	30.55	361.2	838.0	2.06	5.9	15.53	208.4	449.9	1.10	10.7	11.23	288.6	702.0	1.84	7.0
24	12.36	289.9	545.1	1.35	8.5	6.88	133.2	306.1	1.19	16.5	9.22	345.8	528.1	0.98	8.1
25	4.13	55.6	197.4	0.65	29.8	2.97	62.8	97.1	0.29	43.3	3.84	33.4	200.3	0.97	33.5
26	10.50	99.4	308.6	0.26	17.8	3.69	36.9	189.5	0.43	34.2	5.93	95.8	337.8	0.46	17.5
27	14.68	261.4	653.9	2.83	8.0	9.65	103.3	317.8	0.74	13.6	10.37	374.9	579.4	1.18	7.4
28	11.00	69.5	201.0	0.54	25.7	3.83	68.2	118.0	0.26	37.4	4.84	55.8	228.1	0.80	27.0
29	28.55	320.6	765.9	1.69	6.5	10.58	174.9	396.9	0.88	12.6	11.35	246.0	702.7	1.66	7.9
30	14.51	368.1	579.2	1.23	7.4	6.81	195.5	294.6	0.83	14.1	9.73	374.3	568.5	0.92	7.5
31	3.86	57.3	196.0	0.71	29.8	2.87	62.0	95.6	0.28	43.9	3.73	38.6	213.2	1.11	31.1
32	11.29	99.7	298.3	0.25	18.1	3.91	39.5	180.2	0.37	34.8	5.48	93.4	318.9	0.33	18.4
BAG ACT.	13.28	190.6	420.2	1.18	11.6	7.13	131.0	217.0	0.53	19.9	7.09	181.5	424.4	1.25	12.1
CALC.	13.13	187.7	418.1	1.22	11.8	7.16	128.8	218.2	0.55	20.0	6.82	177.7	415.1	1.22	12.4
33	6.63	41.6	62.6	0.02	59.6	0.78	11.5	45.1	0.03	135.0	1.75	31.2	83.2	0.05	64.4
34	70.54	502.6	766.1	0.26	5.0	8.64	97.2	536.3	0.68	12.4	18.45	356.4	998.4	0.72	5.5
35	28.69	251.3	584.9	0.34	8.3	5.87	77.2	434.9	0.42	15.4	9.87	190.1	488.9	0.32	10.8
36	17.44	149.6	360.1	0.22	13.6	4.01	48.6	283.1	0.32	23.8	6.30	114.9	331.0	0.22	16.7
37	7.02	52.5	350.8	0.36	19.5	2.91	28.6	204.0	1.38	34.4	3.64	55.5	260.6	0.30	24.7
38	4.70	32.7	371.6	1.13	20.3	3.00	52.0	178.0	1.52	33.0	2.64	14.9	357.7	2.08	22.8
39	5.09	78.1	404.4	2.32	16.3	4.80	131.2	187.2	0.59	21.7	3.76	50.9	426.8	2.79	17.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	163	1971	CHEV	NOVA	250	164	1971	CHEV	IMPA	350	165	1971	CHEV	IMPA	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	13.47	85.7	865.9	5.30	8.5	10.37	287.9	1033.8	3.29	5.8	11.93	424.3	812.5	0.98	5.9
2	7.70	11.2	300.6	0.65	25.9	2.63	16.5	309.2	0.89	25.8	6.31	207.4	378.1	0.32	12.3
3	18.38	30.3	989.9	2.99	8.1	8.90	139.8	1240.0	2.33	6.0	15.17	505.9	913.2	0.84	5.1
4	6.89	15.0	631.4	3.23	13.1	4.98	87.7	752.4	3.08	9.8	8.82	330.0	532.9	0.61	8.2
5	3.00	22.7	532.2	3.96	15.4	6.14	182.5	576.6	2.52	10.1	6.91	266.3	460.6	0.65	9.9
6	2.50	6.4	173.0	1.24	46.5	1.88	14.4	207.0	1.35	37.7	3.43	103.1	209.8	0.24	23.2
7	6.14	149.2	551.0	2.81	11.0	10.01	374.3	666.5	1.64	6.9	8.81	347.3	592.3	1.29	7.6
8	1.52	2.8	202.6	1.59	41.9	2.36	27.9	208.4	2.06	34.2	3.77	121.0	194.6	0.27	22.4
9	3.03	46.5	545.9	4.98	14.1	7.40	259.9	551.2	2.42	9.0	6.77	266.3	460.6	0.81	9.9
10	3.93	3.6	189.6	1.19	42.7	2.42	25.8	221.5	1.61	32.9	3.73	116.7	198.7	0.22	22.5
11	6.97	102.4	638.0	4.61	10.8	9.82	379.5	614.4	1.11	7.1	8.91	353.9	580.5	0.99	7.6
12	4.15	3.4	217.1	1.10	37.7	3.02	30.8	220.7	1.48	31.8	4.17	124.2	225.1	0.26	20.5
13	6.91	94.1	672.7	5.00	10.5	10.13	369.6	674.3	1.80	6.9	9.20	366.2	603.0	0.99	7.3
14	2.77	4.6	184.1	1.24	44.4	2.34	27.5	212.3	1.49	33.8	3.40	104.7	181.3	0.22	24.9
15	10.25	7.5	209.1	0.87	35.0	2.28	20.5	241.4	0.57	31.6	4.02	125.5	262.5	0.23	18.8
16	29.06	31.5	556.7	0.79	12.7	4.29	76.8	482.6	0.30	14.4	12.36	402.8	691.1	0.53	6.5
17	6.86	56.3	710.6	5.46	10.8	8.95	301.4	721.7	2.31	7.3	9.46	370.5	620.2	0.89	7.2
18	4.98	12.9	180.7	0.94	40.9	1.95	17.5	203.8	1.00	37.4	3.90	122.3	234.3	0.24	20.2
19	6.75	50.6	665.5	4.62	11.6	7.94	266.5	703.0	2.41	7.7	8.74	344.1	580.5	0.85	7.7
20	6.76	16.4	216.8	1.06	33.6	2.47	19.2	236.7	1.14	32.1	4.62	145.6	278.6	0.28	17.0
21	8.68	193.9	698.2	3.86	8.6	11.96	461.3	727.2	1.25	6.0	10.89	436.8	684.7	1.30	6.3
22	5.13	7.2	195.7	1.26	39.7	2.64	27.9	227.2	1.48	31.8	4.27	131.0	222.2	0.25	20.1
23	12.04	50.0	773.7	4.66	10.0	7.46	150.0	934.8	4.51	7.4	11.59	441.3	709.6	0.87	6.2
24	3.98	51.4	549.8	4.57	13.8	7.41	250.9	558.0	2.14	9.1	7.22	286.1	481.9	0.82	9.3
25	2.33	5.5	177.7	1.33	45.8	2.40	22.6	202.5	1.72	36.1	3.47	110.8	188.8	0.24	23.7
26	12.11	15.3	300.3	0.92	24.5	3.07	26.5	314.5	0.78	24.3	6.06	193.3	402.5	0.36	12.2
27	4.67	55.6	630.4	4.87	12.1	8.39	291.7	613.8	2.18	8.1	8.48	330.9	541.3	0.83	8.2
28	5.43	9.8	199.6	1.21	38.2	2.42	26.4	235.3	1.50	31.2	4.23	137.9	238.4	0.27	18.9
29	10.43	33.5	737.4	4.08	10.8	6.48	122.4	829.6	3.66	8.5	10.65	389.1	631.7	0.74	7.0
30	5.50	125.7	546.2	3.30	11.7	8.58	310.3	597.0	1.72	8.0	7.85	314.0	536.1	0.98	8.4
31	2.01	5.9	178.1	1.58	45.8	2.41	26.6	205.2	1.68	34.9	3.69	118.3	197.4	0.25	22.5
32	13.35	17.6	279.8	0.75	25.4	3.17	30.4	298.8	0.71	24.9	5.87	182.8	360.1	0.30	13.3
BAG ACT.	5.37	36.8	416.5	2.80	18.1	5.01	127.5	433.6	2.73	13.7	6.20	228.0	384.4	0.52	11.6
CALC.	5.28	36.0	406.5	2.68	18.5	4.91	124.2	437.3	2.53	13.7	6.16	224.2	379.1	0.54	11.8
33	0.34	0.4	78.0	0.11	111.4	0.55	7.8	67.0	0.04	109.4	1.34	38.6	75.3	0.05	63.3
34	3.11	4.7	919.9	0.82	9.5	6.05	76.2	814.5	0.41	9.3	13.29	326.1	1018.0	0.71	5.6
35	4.94	3.4	478.1	0.31	17.8	3.45	53.3	600.6	0.41	12.8	10.13	310.3	517.8	0.34	8.6
36	5.39	3.7	386.8	0.49	21.7	2.50	38.0	382.7	0.28	19.7	5.33	155.6	325.6	0.21	15.1
37	3.24	2.5	241.6	0.92	34.7	2.31	13.4	285.4	1.31	28.3	4.83	155.2	232.6	0.19	18.0
38	2.14	5.4	272.4	2.65	30.9	2.58	20.0	342.6	3.93	23.2	4.68	151.0	260.8	0.36	17.3
39	0.98	3.8	432.4	2.71	20.1	3.38	44.9	414.8	5.53	17.9	5.17	191.7	303.1	0.46	14.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	166	1971	CHRY	NEWY	440	167	1971	DODG	STAW	318	168	1971	FORD	PINT	122
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	10.26	295.1	1117.4	4.79	5.5	11.87	303.1	955.9	2.76	6.0	7.57	164.9	408.2	2.30	12.8
2	2.03	18.6	411.6	0.64	19.8	4.05	19.4	238.4	0.42	31.5	1.81	35.5	114.4	0.31	50.4
3	9.16	218.7	1314.1	2.31	5.3	12.28	71.4	927.5	1.55	8.2	11.19	193.8	519.3	1.26	10.3
4	6.30	153.4	776.9	3.17	8.6	5.46	151.2	656.1	1.82	9.7	4.46	82.4	323.2	3.15	19.0
5	4.66	114.0	648.5	3.91	10.5	4.63	111.7	574.3	3.22	11.6	3.06	51.7	299.5	4.50	22.7
6	1.80	25.3	230.3	1.71	32.2	1.52	13.1	175.0	1.70	44.3	0.79	8.7	78.5	1.11	93.7
7	6.92	220.1	781.4	4.61	7.7	7.95	278.3	667.0	2.77	7.9	3.60	127.2	312.0	1.74	17.0
8	1.80	31.2	238.7	2.19	30.2	1.72	19.7	191.4	2.56	38.9	0.71	8.1	91.9	1.98	83.0
9	5.69	181.7	621.1	3.99	9.6	5.25	158.2	564.3	3.67	10.8	2.93	92.1	274.9	3.00	20.7
10	2.74	31.8	241.7	1.65	29.5	3.62	15.4	171.5	1.66	42.9	1.40	10.4	89.2	1.51	80.8
11	7.93	290.3	735.7	3.15	7.3	7.58	263.0	663.2	2.63	8.1	4.90	135.5	305.3	2.92	16.6
12	3.09	40.2	267.5	1.81	26.1	3.82	18.4	178.5	1.77	40.4	1.02	9.8	89.5	1.74	82.0
13	8.12	292.9	776.2	3.61	7.0	7.55	241.2	673.3	3.07	8.2	5.58	151.0	316.4	2.58	15.5
14	2.55	33.3	228.1	1.66	30.8	2.60	18.5	173.1	1.70	42.2	0.82	8.6	92.0	1.89	82.1
15	1.46	12.5	296.3	0.59	27.7	2.18	17.2	184.3	0.30	40.7	1.68	22.5	79.0	0.36	74.2
16	5.42	117.4	727.3	0.56	9.6	3.22	0.0	494.1	0.40	17.6	4.34	94.8	194.7	0.17	24.8
17	7.85	228.7	848.9	4.70	7.2	7.66	238.2	688.7	2.38	8.2	6.94	147.5	382.1	2.45	15.4
18	1.95	27.6	239.6	1.34	30.7	3.06	12.7	166.3	1.24	45.3	1.03	12.9	78.7	1.01	86.8
19	7.10	205.2	809.8	4.48	7.7	6.28	174.4	677.0	2.89	9.1	5.78	132.0	325.0	2.94	16.1
20	2.26	36.0	283.4	1.29	25.6	5.35	11.1	183.1	1.35	40.8	1.31	15.2	93.2	1.18	73.2
21	9.40	342.9	859.8	4.04	6.2	9.69	347.9	776.5	2.93	6.6	7.16	172.3	335.0	1.70	14.1
22	2.91	35.1	254.5	1.62	27.8	4.65	15.4	175.7	1.66	41.3	1.89	14.5	97.9	1.64	70.1
23	7.96	196.0	962.8	4.89	6.8	7.99	216.3	754.8	2.11	7.9	11.62	136.1	383.7	3.28	14.0
24	5.34	159.8	648.1	4.15	9.7	5.36	158.3	579.7	3.01	10.5	3.42	103.8	282.3	2.76	19.5
25	3.09	32.0	206.7	1.55	33.3	2.38	21.0	161.1	1.65	48.0	0.72	6.7	88.6	1.84	87.6
26	2.26	22.8	406.9	0.76	19.7	3.15	24.9	251.3	0.44	29.5	2.30	30.7	104.6	0.47	55.4
27	6.33	187.3	733.2	4.55	8.5	5.90	161.7	629.0	3.38	9.8	4.44	109.0	299.9	3.55	18.3
28	2.38	33.6	262.9	1.57	27.5	4.70	19.1	177.0	1.49	40.0	2.57	14.1	99.1	1.64	68.6
29	7.18	165.5	889.6	4.43	7.6	6.93	182.0	664.5	2.20	9.1	7.67	118.2	360.4	3.05	15.6
30	6.66	232.3	679.6	3.40	8.3	6.75	237.7	599.2	2.32	8.9	3.73	103.8	322.9	4.04	17.8
31	2.92	30.3	208.4	1.79	33.5	1.86	20.7	167.1	1.89	43.2	0.66	5.9	84.4	1.86	92.8
32	2.30	29.8	396.7	0.55	19.7	4.12	36.4	222.2	0.28	30.4	2.33	34.4	104.4	0.36	53.5
BAG ACT.	4.04	107.0	496.4	2.97	13.1	5.00	93.2	414.1	2.61	15.4	3.44	57.3	212.2	2.73	28.3
CALC.	4.34	108.2	490.7	2.90	13.2	5.13	95.2	409.0	2.59	15.4	3.41	57.2	205.3	2.58	29.0
33	0.81	16.9	93.7	0.06	72.3	0.41	1.6	108.3	0.12	79.2	0.42	10.5	28.8	0.01	190.1
34	8.94	153.5	1193.5	0.65	6.1	3.85	4.1	852.3	0.30	10.2	4.40	105.4	384.8	0.15	15.7
35	5.08	69.2	688.7	0.39	10.9	1.21	2.6	533.0	0.33	16.4	5.38	104.5	320.0	0.34	17.7
36	3.28	47.2	450.0	0.27	16.6	1.06	7.1	406.6	0.36	21.1	2.91	71.4	189.9	0.16	28.5
37	1.28	2.5	360.5	0.89	24.1	1.62	21.4	297.4	0.75	26.4	1.84	31.8	171.6	0.86	39.0
38	2.18	18.7	354.5	4.05	22.7	2.20	21.2	325.9	3.74	24.2	1.44	18.7	170.2	2.33	43.5
39	3.33	72.9	395.2	3.96	17.1	2.86	42.6	402.7	5.62	18.5	1.21	13.4	216.8	4.52	36.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	169	1971	FORD	TORI	302	170	1971	FORD	MAVE	200	171	1971	FORD	GALA	351
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	10.58	150.1	999.9	8.36	7.0	8.43	228.2	684.3	2.90	8.3	7.79	140.1	1006.7	8.92	7.1
2	2.17	27.2	274.5	0.33	27.4	2.15	23.9	246.5	1.17	30.5	1.55	29.5	336.9	0.42	22.9
3	9.81	189.6	947.2	1.38	7.0	6.44	109.8	777.6	1.72	9.1	7.53	205.4	1046.6	1.97	6.4
4	5.58	64.0	658.3	3.41	11.4	4.34	70.7	500.2	4.69	14.2	4.53	71.5	723.1	4.45	10.4
5	4.89	46.7	567.2	4.56	13.5	4.18	85.8	418.3	3.61	15.7	3.82	42.3	585.7	6.37	13.4
6	1.72	16.2	178.0	0.80	42.5	1.41	6.6	145.1	2.55	55.5	1.58	12.5	210.6	1.63	37.7
7	8.80	199.3	637.4	2.86	9.1	7.86	245.5	465.0	2.62	10.1	6.73	178.3	691.2	4.64	8.9
8	2.19	19.1	181.0	2.02	40.7	1.41	2.9	169.6	3.96	49.7	1.70	17.5	214.6	2.30	35.9
9	5.34	53.9	555.1	6.84	13.5	5.26	151.3	407.3	4.03	13.4	4.50	65.0	582.7	6.92	12.7
10	3.09	21.8	168.7	1.24	41.7	1.66	13.0	159.6	2.70	47.9	2.09	24.8	207.6	1.59	35.0
11	7.96	146.8	643.0	5.50	9.9	6.55	191.4	510.8	3.17	10.7	6.00	121.3	735.2	7.60	9.4
12	3.46	22.5	170.0	1.32	41.0	1.88	14.0	167.2	2.87	45.5	2.91	26.6	223.7	1.77	32.3
13	7.71	105.9	703.3	8.28	9.9	5.37	181.8	529.8	3.99	10.6	5.76	88.0	788.9	10.13	9.4
14	2.77	22.0	163.9	1.44	42.8	1.62	10.1	151.0	2.70	51.6	2.09	20.8	202.9	1.74	36.6
15	2.08	22.1	205.0	0.30	36.0	1.71	18.3	184.7	0.87	40.5	1.31	18.1	259.4	0.47	30.4
16	4.35	82.8	511.7	0.30	13.5	4.60	105.4	453.0	0.40	14.0	3.62	83.7	600.6	0.50	11.9
17	8.02	99.5	723.8	8.18	9.8	6.35	159.8	549.4	4.20	10.8	5.66	68.2	806.2	10.46	9.5
18	1.87	21.5	172.3	0.67	41.8	1.60	11.9	155.6	2.00	49.5	1.77	22.7	207.3	1.36	35.7
19	7.23	90.7	711.0	7.52	10.1	5.72	141.1	522.8	3.85	11.6	5.45	82.8	723.9	7.51	10.2
20	2.16	25.5	197.4	0.54	36.3	1.93	18.2	186.9	2.12	40.1	1.86	25.2	250.3	1.28	30.0
21	10.05	210.6	753.3	5.46	8.0	12.01	410.5	553.4	1.84	7.2	7.23	153.3	862.6	9.00	7.9
22	3.28	26.9	176.3	1.30	38.8	1.87	14.0	176.0	2.78	43.5	2.32	26.1	231.5	1.69	31.7
23	9.52	134.4	793.1	6.37	8.6	6.75	132.2	627.5	5.67	10.4	6.66	110.9	861.1	7.36	8.4
24	5.45	57.4	577.8	6.80	13.0	5.34	139.5	415.9	3.15	13.6	4.63	74.7	610.6	6.67	12.0
25	2.58	21.1	159.7	1.46	44.1	1.50	6.9	155.5	3.10	51.9	2.34	18.7	195.3	1.81	38.2
26	2.68	28.3	275.7	0.44	27.0	2.29	23.4	254.4	1.02	29.7	1.81	29.8	346.0	0.53	22.3
27	6.57	77.0	633.3	8.36	11.5	5.21	121.8	487.9	4.90	12.8	4.86	54.4	711.8	9.92	10.9
28	2.88	29.1	184.1	1.20	37.1	1.83	16.9	173.4	2.54	43.1	2.23	30.5	230.1	1.60	31.1
29	8.49	124.8	707.0	4.88	9.5	5.65	75.5	587.4	7.67	12.3	6.02	99.0	779.7	5.93	9.3
30	7.85	173.4	567.3	2.65	10.3	5.35	138.1	460.2	3.37	12.8	5.54	120.2	645.2	5.26	10.4
31	2.30	19.8	157.9	1.48	45.2	1.49	4.8	157.6	3.43	52.2	2.89	19.3	190.9	2.02	38.5
32	2.62	36.6	261.1	0.33	27.2	2.41	28.9	243.0	1.00	30.0	1.85	35.3	357.3	0.47	22.3
BAG ACT.	4.69	62.1	403.4	3.70	17.2	3.59	72.1	325.5	3.80	19.7	3.54	54.2	469.7	4.55	15.7
CALC.	4.74	61.5	401.0	3.64	17.3	3.65	74.1	324.8	3.73	19.6	3.56	53.1	458.8	4.45	16.0
33	0.55	11.8	51.8	0.05	123.2	0.62	12.5	61.0	0.08	107.5	0.61	19.9	77.2	0.06	80.4
34	5.41	101.1	677.0	0.40	10.4	6.76	135.1	747.2	0.79	9.0	6.69	215.1	942.1	0.57	6.8
35	2.86	45.7	678.2	0.62	11.7	3.02	67.3	376.1	0.31	18.1	1.47	25.9	843.0	1.04	10.0
36	2.04	31.8	439.5	0.44	17.9	2.00	40.6	259.3	0.22	26.9	1.28	21.2	547.3	0.72	15.2
37	2.18	21.4	272.8	0.55	28.3	1.79	10.8	212.0	1.22	37.8	1.10	11.5	346.1	0.73	24.1
38	2.72	25.5	288.2	1.64	26.3	2.10	7.6	246.8	4.81	33.4	2.48	17.1	309.1	3.22	25.8
39	3.63	39.1	334.2	3.95	21.8	2.13	5.0	315.7	7.84	26.9	2.81	33.0	369.3	4.44	20.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	172	1971	FORD	LTD	400	173	1971	MERC	COUG	351	174	1971	OLDS	MNTY	455
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	8.60	246.6	1001.7	8.09	6.3	6.52	102.9	934.9	6.60	7.9	9.27	425.5	1106.2	3.94	4.7
2	2.54	51.6	357.5	0.60	19.9	1.69	18.3	333.6	0.37	26.1	2.11	53.0	348.6	0.33	20.2
3	11.38	374.3	903.6	2.98	5.5	5.84	71.0	1032.9	1.72	7.6	7.36	202.1	1435.2	3.02	5.0
4	5.07	116.8	702.8	6.85	9.8	4.29	77.3	656.5	3.53	11.2	3.63	83.1	1016.3	4.76	7.7
5	3.23	50.5	645.5	6.93	12.1	3.40	43.0	555.9	5.11	14.0	3.26	72.7	735.8	4.50	10.3
6	1.15	11.0	232.3	1.83	35.0	1.21	7.7	218.4	1.09	37.9	1.73	30.3	225.4	0.84	31.9
7	5.12	166.4	786.2	5.96	8.3	5.60	166.6	652.7	3.75	9.5	8.42	493.0	732.3	1.54	5.8
8	1.13	6.7	267.7	3.56	31.5	1.46	13.1	233.7	1.95	34.3	1.42	13.7	267.1	2.81	30.3
9	3.73	94.2	631.0	6.35	11.2	3.27	30.3	590.4	7.06	13.7	5.36	257.5	630.9	3.12	8.4
10	4.02	22.5	244.3	2.51	30.3	3.58	15.5	221.9	1.39	34.4	3.88	20.8	245.0	1.86	30.6
11	5.66	191.4	789.8	5.35	8.0	4.62	79.7	702.0	7.43	10.5	9.93	567.6	705.6	1.64	5.4
12	7.10	27.6	231.5	2.63	29.9	4.62	17.7	232.1	1.66	32.3	5.25	24.8	259.0	2.06	28.2
13	5.66	169.6	835.9	7.22	7.9	4.68	68.4	735.4	8.26	10.3	8.64	454.1	843.0	3.95	5.6
14	3.94	16.3	229.1	2.67	33.2	2.75	14.3	219.9	1.60	35.3	3.73	19.8	232.0	1.97	32.3
15	2.08	23.4	280.0	0.60	27.4	1.44	8.2	257.2	0.44	32.3	1.68	34.3	269.9	0.30	27.0
16	7.90	253.6	499.5	0.39	9.6	3.61	46.8	592.8	0.40	13.1	2.88	62.2	701.4	0.40	11.0
17	5.76	129.2	877.3	9.99	8.1	4.90	67.2	737.8	8.05	10.3	7.53	379.9	930.4	4.06	5.7
18	3.02	23.6	235.5	1.58	31.5	2.71	14.0	212.9	0.99	36.5	2.58	29.7	247.1	0.90	29.4
19	5.57	169.7	759.9	6.38	8.5	4.42	56.9	691.0	7.11	11.2	7.60	431.5	812.1	2.35	5.9
20	4.31	39.7	260.8	1.62	26.3	3.83	17.1	253.7	1.17	30.3	3.20	32.2	276.5	0.88	26.3
21	7.08	258.7	906.8	6.06	6.6	6.27	164.1	762.7	6.32	8.5	11.71	665.4	681.4	1.53	4.6
22	4.89	29.7	248.7	2.49	28.5	4.35	19.0	234.5	1.52	31.9	4.72	22.2	254.5	1.80	29.2
23	7.24	167.2	938.3	10.45	7.3	5.85	86.5	796.4	6.20	9.3	4.78	85.5	1219.3	6.97	6.5
24	4.13	127.5	654.4	5.45	10.2	3.40	33.0	611.6	8.00	13.2	7.00	383.8	611.5	1.80	7.2
25	2.38	14.1	240.6	2.78	32.8	2.41	14.8	213.0	1.72	36.4	3.62	16.8	231.2	2.14	33.0
26	2.88	46.2	351.2	0.63	20.5	2.18	14.6	358.9	0.63	22.8	2.34	44.2	377.3	0.39	19.5
27	4.11	92.9	780.8	9.36	9.4	3.97	45.0	662.4	8.69	11.9	6.67	343.3	767.7	4.08	6.7
28	4.50	33.3	256.9	2.49	27.4	4.07	19.8	238.5	1.45	31.4	3.99	24.8	264.2	1.78	28.1
29	6.56	149.3	810.4	8.25	8.3	5.17	66.2	736.4	5.17	10.4	4.35	75.2	1075.1	5.80	7.4
30	4.95	179.1	681.2	4.17	9.1	3.95	55.9	655.2	7.53	11.8	8.23	472.7	646.4	1.46	6.3
31	2.29	13.7	228.2	2.68	34.5	2.25	16.3	221.0	1.98	35.0	3.65	17.1	218.6	2.17	34.5
32	3.93	71.8	337.3	0.61	19.2	2.31	22.2	334.0	0.43	23.6	2.05	40.4	354.4	0.33	20.9
BAG ACT.	4.21	74.4	512.9	4.81	13.8	3.62	40.0	463.6	4.10	16.5	4.57	155.5	540.5	3.07	11.1
CALC.	4.21	76.1	504.1	4.92	13.9	3.62	39.5	458.1	4.08	16.7	4.65	153.9	520.1	2.95	11.4
33	1.10	32.1	64.8	0.05	74.8	0.47	4.8	80.7	0.08	98.9	0.47	11.1	91.8	0.05	80.1
34	11.34	334.5	832.9	0.54	6.4	4.47	36.3	957.4	0.73	8.6	5.76	141.6	1091.4	0.54	6.7
35	5.40	158.4	429.2	0.28	12.8	2.08	13.5	544.6	0.40	15.5	3.48	121.8	839.3	0.56	8.5
36	3.06	89.9	370.8	0.26	17.0	1.37	9.4	546.2	0.59	15.7	1.93	58.4	548.3	0.37	13.7
37	1.32	10.7	364.5	0.95	23.0	1.09	4.0	376.6	0.85	23.0	2.00	46.5	359.8	0.46	20.2
38	1.59	12.4	380.1	4.25	21.9	1.86	11.9	368.6	3.13	22.6	2.15	27.4	393.9	2.66	20.0
39	1.88	13.8	487.9	7.01	17.2	2.45	28.9	428.9	4.97	18.4	2.17	23.7	499.2	6.31	16.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	175	1971	PLYM	SATE	318	176	1971	PONT	STAW	455	177	1971	PONT	LEMA	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	9.46	225.1	867.7	3.24	7.1	10.18	343.5	1117.0	10.44	5.3	9.54	189.5	973.6	3.95	6.8
2	2.77	60.9	268.9	0.23	23.8	5.75	81.7	359.3	0.80	17.5	4.80	85.5	242.7	0.19	22.6
3	11.87	284.7	939.0	1.29	6.2	12.49	338.8	1290.5	8.86	4.8	12.47	288.4	1010.7	1.02	5.9
4	4.14	106.4	641.7	1.89	10.8	7.65	85.5	850.2	15.84	8.7	5.67	114.1	686.1	2.05	10.0
5	4.10	99.7	512.0	1.91	13.0	4.19	36.2	767.1	15.86	10.6	4.77	52.0	576.6	5.03	13.2
6	1.76	15.7	168.0	1.04	44.8	2.44	14.4	237.6	2.40	33.1	2.15	29.1	181.2	0.85	38.0
7	6.71	211.6	627.0	2.34	9.0	7.37	186.2	921.0	10.57	7.2	7.34	181.1	716.0	4.38	8.7
8	1.77	15.9	180.3	1.75	42.1	1.96	10.2	275.2	4.86	29.8	2.11	20.1	215.6	2.87	35.0
9	4.52	92.4	517.4	3.48	13.1	4.11	93.1	716.8	12.46	10.1	5.51	131.2	559.2	4.34	11.3
10	3.45	24.5	162.6	1.06	41.8	4.98	30.7	254.6	3.35	27.9	3.80	31.0	202.0	1.96	33.8
11	6.96	222.1	586.7	1.98	9.3	7.61	273.8	802.4	9.46	7.1	7.95	229.7	640.4	3.51	8.6
12	4.62	29.3	174.7	1.24	37.7	6.91	38.1	249.4	3.42	26.8	4.80	34.2	199.8	2.18	33.0
13	6.90	191.0	631.2	2.60	9.3	7.50	271.1	858.6	10.85	6.8	6.18	108.5	757.6	6.56	9.4
14	3.85	22.2	154.6	1.16	44.0	4.62	23.3	240.4	3.36	30.4	3.42	27.3	192.9	2.14	36.0
15	2.06	34.3	197.2	0.23	34.5	4.65	68.4	262.5	0.48	23.1	3.33	60.5	189.1	0.20	30.1
16	5.65	149.4	457.6	0.20	12.5	14.51	319.1	586.8	0.29	7.8	8.86	226.7	456.1	0.20	10.6
17	6.81	176.9	670.3	2.47	9.2	7.12	199.8	924.8	14.80	7.0	6.37	96.5	769.1	5.81	9.4
18	2.97	26.1	167.7	0.92	40.7	4.82	38.8	237.0	1.64	28.3	3.27	43.2	180.7	0.67	34.3
19	5.88	159.6	650.1	2.43	9.7	7.66	235.9	844.0	11.46	7.2	5.78	102.6	718.6	4.29	9.9
20	4.22	37.1	193.5	0.88	33.5	6.26	56.1	282.1	1.90	22.7	4.29	51.8	206.5	0.72	29.4
21	8.53	270.1	681.7	2.35	7.8	9.29	378.2	908.2	6.20	5.8	9.87	296.5	734.7	3.22	7.2
22	4.60	32.2	178.4	1.10	36.4	6.31	43.1	257.4	2.96	25.7	4.66	38.5	203.5	1.95	31.8
23	8.01	201.4	751.8	1.89	8.1	8.08	155.5	1070.9	18.08	6.6	7.52	132.5	864.7	3.51	8.1
24	4.84	125.0	532.1	2.46	11.9	4.51	105.7	741.1	12.10	9.6	5.50	114.3	564.4	4.04	11.7
25	3.22	21.5	154.3	1.19	44.8	4.65	23.6	231.2	3.20	31.4	3.23	27.6	185.5	2.16	37.1
26	3.22	55.8	264.6	0.29	24.5	6.69	108.7	342.0	0.56	16.7	4.83	86.1	255.7	0.24	21.8
27	5.66	138.5	580.7	2.76	10.9	5.55	140.1	818.3	15.06	8.4	5.22	70.0	690.4	6.65	10.9
28	4.42	34.3	171.9	0.94	37.0	6.29	48.9	261.5	2.76	24.8	4.27	41.4	203.5	1.65	31.5
29	7.11	163.0	675.7	1.80	9.3	7.68	152.5	951.7	14.97	7.3	7.29	149.9	736.8	2.10	8.9
30	5.74	167.8	565.9	2.37	10.5	6.64	252.0	719.9	6.20	7.8	7.51	213.6	569.4	2.53	9.6
31	2.67	23.9	155.4	1.20	44.1	4.20	19.2	257.7	4.18	29.5	2.91	27.4	185.9	2.14	37.2
32	3.77	62.0	245.2	0.24	25.0	7.71	123.4	344.2	0.68	15.8	5.16	91.4	246.8	0.19	21.8
BAG ACT.	4.57	88.2	382.0	1.77	16.6	5.17	94.8	540.1	6.84	12.6	5.03	82.8	432.6	3.44	15.3
CALC.	4.60	89.2	374.9	1.77	16.8	5.22	94.6	537.8	7.74	12.6	4.99	83.1	426.8	3.36	15.5
33	0.77	19.0	62.1	0.04	94.0	1.09	18.3	99.6	0.05	67.4	1.50	30.0	60.9	0.03	78.7
34	8.81	219.1	781.4	0.41	7.7	32.57	204.7	1110.6	1.25	5.8	16.27	321.1	751.1	0.28	6.8
35	2.85	105.1	666.7	0.52	10.6	6.76	109.1	616.4	0.40	11.0	7.17	191.7	519.9	0.26	10.5
36	1.92	72.0	432.0	0.35	16.1	2.59	60.5	565.6	0.42	13.3	4.70	126.8	346.6	0.18	15.8
37	1.57	33.1	277.9	0.37	26.5	3.80	6.3	391.2	1.81	21.5	3.82	68.9	261.5	0.34	23.2
38	2.25	13.9	283.3	2.49	28.4	1.37	5.6	415.5	3.96	20.7	3.08	31.4	331.4	2.15	22.7
39	2.75	31.9	339.5	3.49	22.3	1.54	6.6	510.1	9.55	16.9	3.40	27.3	415.3	6.33	18.9

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	178	1971	DATS	STAW	97	179	1971	TOYO	CORO	113	180	1971	VOLK	STAW	97
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	10.98	171.0	378.4	2.38	13.0	12.69	142.2	393.1	2.56	13.5	14.11	201.6	644.6	3.28	8.8
2	2.38	34.6	108.1	0.68	52.2	2.51	65.2	151.3	0.22	33.9	1.08	13.9	166.8	0.46	46.2
3	29.11	196.5	422.0	0.66	10.8	11.13	275.7	580.0	0.92	8.5	9.26	129.7	1077.2	3.52	6.8
4	6.01	99.5	312.3	2.37	18.2	4.86	105.5	325.3	1.53	17.5	4.90	58.6	558.7	3.80	13.3
5	3.96	55.9	282.0	4.99	23.2	2.68	45.3	324.9	3.63	21.9	4.31	64.5	412.7	3.23	16.8
6	1.24	14.8	86.7	1.25	78.0	1.19	21.7	125.1	0.79	54.5	0.57	8.4	105.5	0.61	73.7
7	3.61	85.8	257.7	2.57	22.0	1.61	27.6	255.1	2.66	29.2	1.65	56.3	289.7	1.96	23.1
8	1.87	13.5	110.7	2.46	64.4	1.36	30.6	150.9	1.71	43.7	1.34	36.7	189.4	2.01	35.3
9	4.38	73.4	279.9	4.36	21.7	1.96	34.2	314.9	3.78	23.7	1.73	48.0	334.3	3.00	21.4
10	1.93	15.0	95.5	1.93	70.9	1.63	22.9	123.1	1.28	54.0	1.26	23.2	121.4	0.71	54.9
11	6.39	131.0	291.4	2.19	17.2	2.77	32.8	321.9	4.01	23.2	4.29	74.8	380.0	3.13	17.4
12	2.02	13.6	99.0	2.05	70.0	1.95	27.8	127.0	1.30	50.2	2.12	36.0	139.7	1.29	43.7
13	9.40	140.8	313.8	2.68	15.7	4.01	45.8	352.9	4.45	20.3	6.90	92.0	405.2	3.18	15.5
14	1.51	11.1	98.7	2.31	73.4	1.59	22.3	122.8	1.32	54.5	1.50	31.7	140.1	1.18	45.6
15	2.54	18.6	84.2	0.42	73.0	2.18	57.7	112.5	0.12	42.2	0.74	6.3	103.7	0.26	76.6
16	5.85	70.3	187.3	0.17	28.1	4.37	115.3	175.8	0.07	23.9	2.02	41.1	253.8	0.17	27.3
17	7.97	109.4	362.2	5.40	15.9	6.92	73.2	389.0	4.48	16.9	10.65	127.0	513.7	3.81	11.9
18	1.38	13.8	86.0	1.20	79.2	1.54	33.8	122.4	0.49	49.2	0.93	12.5	105.1	0.49	69.5
19	5.89	88.8	350.5	5.81	17.4	4.00	70.4	358.3	3.73	18.4	6.04	93.3	459.8	3.46	14.2
20	1.45	12.8	91.9	1.37	76.1	1.71	36.9	130.0	0.55	45.9	1.16	15.3	112.6	0.50	63.2
21	8.82	129.0	296.7	2.33	16.8	4.17	47.7	334.8	3.99	21.0	5.38	98.5	407.9	3.16	15.3
22	2.04	15.7	97.4	1.89	69.0	2.16	36.2	121.9	0.93	47.0	2.12	35.9	153.5	1.42	41.0
23	16.31	113.9	387.6	4.89	14.4	9.17	122.4	470.9	4.02	12.8	11.24	166.4	661.1	3.79	9.3
24	4.82	85.4	290.8	4.02	20.2	2.16	28.0	302.8	3.77	25.1	2.97	53.5	364.7	3.33	19.4
25	2.06	13.7	98.0	2.13	70.4	1.33	18.7	122.7	1.39	56.8	1.08	30.2	123.0	0.99	51.1
26	3.50	24.3	108.1	0.57	56.4	2.62	69.0	145.2	0.16	33.9	0.89	7.3	147.1	0.38	55.0
27	6.39	85.7	328.7	5.66	18.4	3.36	44.9	346.3	4.14	20.8	5.08	81.1	412.0	3.52	16.0
28	2.43	17.4	101.9	1.98	64.8	1.79	29.1	124.3	1.16	50.5	1.17	29.4	131.7	0.78	48.9
29	13.69	108.7	352.1	3.79	15.7	7.18	118.9	413.1	2.91	14.3	8.44	99.0	664.4	4.99	10.5
30	4.34	87.2	288.4	3.70	20.2	2.32	32.0	302.1	3.66	24.7	3.39	63.7	359.2	2.80	18.9
31	1.64	10.8	97.0	2.24	74.4	1.14	16.7	122.4	1.52	50.3	1.73	33.1	134.4	1.39	46.2
32	7.59	29.0	80.0	0.32	59.3	2.59	68.1	139.2	0.18	34.9	0.91	8.9	140.3	0.32	56.5
BAG ACT.	4.98	57.1	206.6	3.08	28.4	2.60	47.5	254.2	2.55	26.3	2.98	49.8	304.5	2.28	22.6
CALC.	4.94	56.5	204.8	2.95	28.7	2.72	46.8	241.2	2.43	27.4	2.98	50.5	291.9	2.19	23.3
33	0.48	5.8	13.7	0.01	364.5	1.44	14.0	19.9	0.01	190.9	0.29	5.5	39.1	0.02	182.7
34	12.76	198.9	218.5	0.08	15.5	6.71	156.9	316.8	0.26	15.2	0.97	11.5	667.3	0.66	12.9
35	4.51	94.9	294.4	0.41	19.4	4.15	133.9	407.2	0.45	14.1	1.09	34.1	700.8	1.26	11.7
36	2.60	59.6	204.6	0.33	29.0	2.98	101.7	230.8	0.27	22.2	0.66	13.1	423.4	0.70	19.9
37	2.14	40.9	169.7	1.62	36.9	1.95	56.3	207.2	0.45	29.4	0.46	8.6	297.9	1.05	28.4
38	1.91	26.1	175.4	3.20	39.9	1.56	31.3	201.9	1.25	34.7	0.78	15.2	240.0	1.70	33.3
39	4.02	30.8	220.2	4.81	31.5	1.58	24.7	247.2	3.18	30.5	1.41	25.7	303.3	4.49	25.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	181	1970	AMC	HORN	232	182	1970	BUIC	GRAN	455	183	1970	CHEV	CHEL	307
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	7.34	174.4	678.8	1.80	9.1	8.60	148.7	1010.7	10.10	7.0	10.95	129.3	786.1	6.96	8.7
2	2.60	34.2	230.6	1.80	30.3	3.92	52.3	356.2	0.94	19.7	4.82	54.9	251.4	0.95	25.1
3	7.26	201.3	647.9	0.84	9.0	11.62	288.8	1068.1	1.24	5.7	13.34	197.2	787.4	2.18	7.8
4	4.49	80.0	470.8	1.88	14.5	5.11	81.5	706.7	5.41	10.4	7.81	98.1	533.7	4.57	12.5
5	3.60	48.3	416.6	3.05	17.6	4.74	66.1	630.7	7.94	11.8	4.96	60.1	497.4	5.53	14.6
6	1.47	7.2	151.5	2.52	53.0	2.17	32.7	237.6	2.35	30.0	2.25	20.9	163.9	1.79	43.6
7	7.18	243.6	476.4	1.72	10.1	6.35	160.4	770.9	8.33	8.5	8.76	256.1	527.1	2.76	9.3
8	1.26	3.9	161.8	4.22	51.6	2.39	47.9	249.1	3.54	26.7	2.16	22.5	174.5	2.84	41.0
9	3.25	50.8	414.4	4.11	17.6	4.42	83.3	639.2	9.94	11.3	5.25	103.8	476.6	4.96	13.5
10	2.10	16.6	158.0	3.02	46.5	4.80	49.0	255.8	2.93	25.5	3.93	31.0	162.0	2.00	39.8
11	5.25	143.4	495.0	3.24	12.0	6.01	137.7	752.4	10.49	9.0	8.50	228.0	520.9	2.99	9.8
12	2.29	16.9	171.8	4.00	43.2	5.25	52.0	237.0	2.64	26.5	4.85	34.2	170.3	2.15	37.1
13	5.32	135.8	532.4	4.03	11.6	6.05	111.6	793.4	13.20	9.0	7.71	186.1	568.1	4.38	10.0
14	1.85	11.1	149.5	3.19	51.3	3.33	44.3	230.9	2.76	28.5	3.34	26.8	159.6	2.07	41.8
15	1.94	22.5	167.8	0.83	42.4	3.21	23.7	277.3	0.77	27.3	3.28	33.2	180.9	0.79	36.4
16	4.81	117.7	393.4	0.67	15.0	7.24	143.8	607.0	0.29	10.4	11.82	182.7	412.3	0.17	12.0
17	4.74	91.8	567.8	3.96	12.2	6.17	89.1	812.4	13.11	9.1	6.82	113.4	621.9	5.73	10.8
18	1.76	15.1	152.4	2.31	48.9	2.83	37.3	244.1	1.93	28.5	3.27	28.4	164.7	1.49	40.4
19	4.19	61.2	565.2	4.09	13.2	5.81	82.3	767.2	11.92	9.7	8.88	226.2	524.0	2.82	9.8
20	2.21	22.1	184.6	2.73	39.2	4.92	47.3	280.0	2.35	24.0	4.38	41.0	184.9	1.48	33.7
21	7.19	225.5	564.3	2.34	9.4	7.51	196.1	836.7	9.93	7.6	9.77	277.2	593.4	3.07	8.4
22	2.07	18.3	166.4	3.27	44.0	6.24	56.3	258.7	2.64	24.2	4.45	36.3	173.9	1.92	36.2
23	5.90	116.6	578.4	2.63	11.4	8.35	131.2	866.9	10.19	8.1	8.78	126.6	673.7	6.40	9.9
24	3.58	60.2	440.7	3.75	16.2	4.67	75.6	661.1	11.09	11.2	4.95	87.5	500.4	5.02	13.6
25	1.64	8.9	151.2	3.54	52.1	2.56	45.0	222.9	2.83	29.4	2.91	26.0	155.4	2.17	43.2
26	2.67	35.7	235.3	1.15	29.6	3.76	26.6	354.9	0.98	21.7	4.98	52.7	270.0	1.09	24.1
27	3.73	58.[illegible]	505.3	5.20	14.[illegible]	5.07	82.8	715.7	12.67	10.3	6.80	157.9	505.7	4.36	11.4
28	1.94	19.[illegible]	163.8	2.90	44.2	5.91	51.9	248.9	2.44	25.4	4.41	37.0	176.4	1.95	35.7
29	5.39	86.2	539.3	3.64	12.8	7.11	108.9	784.7	8.80	9.1	8.05	106.1	603.5	5.56	11.2
30	5.26	144.6	458.6	2.66	12.6	4.95	79.3	729.8	12.10	10.2	7.46	206.1	490.1	2.96	10.6
31	1.36	5.3	158.0	4.47	52.0	2.22	42.5	203.1	2.68	32.1	2.64	22.2	154.6	2.31	44.9
32	2.65	34.8	234.5	1.22	29.8	4.17	32.0	322.2	0.82	23.0	5.12	58.8	243.1	0.78	25.2
BAG ACT.	3.04	50.4	339.2	3.49	20.7	5.43	78.2	498.1	5.70	13.9	5.34	85.7	355.7	3.46	17.5
CALC.	3.06	51.5	324.2	3.50	21.4	5.42	79.6	490.9	6.32	14.0	5.32	86.7	348.3	3.39	17.7
33	0.61	16.7	53.5	0.06	108.7	1.04	23.3	69.8	0.05	80.8	1.94	19.8	61.5	0.04	89.8
34	6.46	183.7	606.1	0.61	9.7	12.69	285.7	864.2	0.45	6.6	15.99	255.7	743.3	0.70	7.4
35	3.03	85.5	310.6	0.29	19.5	5.77	119.0	523.6	0.30	12.2	10.54	124.1	376.7	0.28	14.7
36	2.53	56.8	252.8	0.25	25.4	4.85	101.2	489.1	0.36	13.4	6.28	87.4	259.6	0.22	21.3
37	1.97	17.8	203.7	1.05	37.3	3.46	45.1	329.8	0.73	21.6	3.33	29.5	252.5	1.61	28.7
38	1.96	12.8	238.3	3.10	33.5	3.26	50.7	380.1	3.58	18.9	3.06	27.9	288.6	4.13	25.9
39	1.78	3.6	318.5	6.50	26.9	3.52	77.7	452.1	6.60	15.2	3.21	40.2	336.8	5.93	21.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	184	1970	CHEV	CHEL	307	185	1970	CHEV	MONT	350	186	1970	CHEV	IMPA	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	11.84	279.8	712.6	2.47	7.5	9.11	176.6	913.9	4.37	7.3	8.89	266.6	839.5	4.42	6.9
2	5.90	63.0	234.2	0.83	25.2	1.66	1.8	350.9	0.46	24.7	4.00	111.4	371.3	0.42	15.9
3	12.78	259.4	819.2	1.83	7.0	7.61	61.9	1111.1	2.82	7.2	10.07	292.9	973.6	2.39	6.1
4	6.93	145.0	509.7	1.73	11.7	4.67	70.9	637.8	3.04	11.6	5.55	150.8	615.7	2.82	10.2
5	6.40	116.9	450.7	2.45	13.6	4.73	89.6	532.9	3.06	12.9	4.40	117.8	507.3	2.76	12.6
6	3.36	44.0	138.2	0.83	40.7	1.34	14.7	190.3	0.51	40.8	2.45	70.3	243.8	0.51	24.5
7	11.65	336.6	476.5	1.56	8.5	9.60	329.6	562.3	1.55	8.0	7.51	284.7	603.8	2.68	8.3
8	3.25	52.6	146.6	1.13	37.0	2.00	24.8	185.0	0.89	34.5	2.20	58.4	233.6	0.93	26.7
9	8.10	215.9	390.4	1.80	11.8	5.79	159.0	483.4	2.75	11.8	4.96	173.4	481.2	2.58	11.5
10	5.11	57.0	145.1	0.84	35.4	2.18	12.8	205.3	0.79	38.2	2.31	60.8	256.5	0.74	24.7
11	11.33	340.5	454.2	1.13	8.7	10.00	330.7	535.5	1.40	8.2	7.92	327.1	554.0	1.50	8.1
12	6.47	62.7	154.2	0.90	32.5	2.61	20.5	216.8	0.89	34.5	2.72	68.4	263.1	0.78	23.4
13	11.02	318.5	495.2	1.56	8.6	9.51	287.9	592.2	2.22	8.3	7.34	266.9	623.6	3.19	8.3
14	4.93	53.0	140.1	0.90	37.1	2.06	16.7	181.0	0.80	41.5	2.20	55.5	237.7	0.77	26.7
15	3.93	33.9	188.3	0.88	34.9	3.81	1.3	243.2	1.54	34.5	2.98	78.1	305.4	0.40	20.3
16	8.53	174.8	427.9	0.35	12.2	14.39	3.9	639.9	2.28	12.8	8.57	266.3	722.8	0.69	7.6
17	8.71	203.2	573.0	2.43	9.6	8.93	197.0	647.7	4.00	9.0	6.50	190.3	679.8	4.27	8.9
18	5.18	53.4	139.4	0.64	37.0	1.27	3.8	218.1	0.59	36.9	2.93	86.1	267.9	0.47	21.5
19	9.66	268.8	524.1	1.68	9.1	7.41	193.3	627.0	2.56	9.3	6.39	203.2	632.9	3.63	9.1
20	6.57	71.3	166.6	0.65	29.6	1.48	6.6	261.9	0.69	32.0	3.36	88.8	326.4	0.56	18.5
21	14.73	463.3	505.9	0.93	6.9	12.65	446.6	608.8	1.28	6.6	9.13	365.1	678.4	2.64	6.9
22	6.24	58.6	145.2	0.71	34.5	2.25	17.0	224.6	0.71	34.2	2.71	71.9	272.4	0.71	22.5
23	9.87	207.3	637.1	2.64	8.9	8.20	84.8	808.0	8.40	9.2	7.91	237.3	800.7	3.63	7.4
24	8.23	222.4	412.5	1.58	11.3	6.96	180.8	498.1	2.89	11.0	6.06	231.7	487.1	1.78	10.2
25	4.89	50.6	134.3	0.87	38.7	4.35	19.4	163.0	1.22	42.8	2.29	60.1	229.6	0.80	26.8
26	5.69	51.9	257.2	0.93	24.9	6.82	1.9	341.5	1.70	24.2	4.41	129.7	398.3	0.43	14.4
27	9.19	252.9	456.3	1.53	10.1	7.63	179.4	558.5	3.68	10.3	5.88	183.4	591.0	3.77	9.9
28	5.73	62.6	157.8	0.80	32.3	7.03	16.5	200.5	1.68	35.7	2.76	74.7	275.1	0.73	22.1
29	9.44	194.0	565.0	1.98	9.9	8.65	84.6	721.7	7.13	10.1	6.89	204.7	701.3	2.75	8.5
30	10.32	305.6	427.1	1.26	9.4	8.98	270.5	507.8	2.60	9.2	6.65	253.1	539.7	2.19	9.3
31	4.59	51.3	134.2	0.92	38.7	3.78	24.4	175.1	1.89	39.4	2.16	55.3	224.4	0.78	27.9
32	6.15	61.4	243.3	0.96	24.7	11.30	1.8	309.2	0.89	25.5	4.16	117.7	393.7	0.42	15.0
BAG ACT.	7.13	145.5	307.2	1.25	15.9	5.32	100.8	388.9	2.05	15.7	4.33	136.1	417.5	1.74	13.8
CALC.	7.15	146.6	308.4	1.32	15.8	5.37	99.6	382.6	1.97	16.0	4.36	137.4	411.1	1.72	13.8
33	1.15	25.2	54.7	0.04	90.6	0.31	1.7	94.8	0.06	90.1	1.03	27.2	47.0	0.02	95.5
34	13.05	287.5	696.4	0.46	7.5	5.82	11.5	1142.4	1.13	7.5	14.69	332.0	578.8	0.28	7.7
35	5.59	120.3	447.3	0.32	13.6	2.25	9.2	619.2	0.47	13.8	7.64	201.5	418.7	0.25	11.7
36	3.86	81.2	298.2	0.21	20.3	1.60	4.6	409.2	0.34	21.1	4.62	137.3	299.7	0.20	16.7
37	3.56	31.7	235.7	1.20	29.9	1.17	2.9	314.0	0.67	27.5	2.32	55.3	256.6	0.29	25.3
38	4.42	69.6	248.0	1.51	23.9	1.80	22.9	298.8	1.14	26.1	2.25	47.8	289.2	0.92	23.9
39	4.82	92.2	299.5	2.52	19.3	3.31	51.6	319.1	3.19	21.6	2.80	78.6	321.3	1.46	19.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	187	1970	CHEV	STAW	400	188	1970	DODG	CHAL	225	189	1970	FORD	MUST	302
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	8.83	157.6	1092.1	8.37	6.5	22.06	372.6	639.4	3.49	6.9	8.92	152.0	729.2	4.45	8.9
2	1.91	15.9	227.6	0.42	34.3	3.64	41.7	146.8	0.93	39.7	2.95	46.2	255.2	0.31	26.3
3	9.60	98.3	1238.9	5.38	6.2	17.98	372.1	620.2	1.29	7.0	8.09	150.4	809.2	1.18	8.3
4	4.42	52.2	748.2	6.06	10.5	8.57	170.8	444.4	2.70	12.0	5.43	90.7	524.4	2.26	13.0
5	4.17	79.3	632.3	5.91	11.5	4.74	166.0	369.9	1.95	13.7	5.01	63.3	443.9	3.87	15.7
6	0.70	3.5	158.7	1.16	53.3	1.25	19.6	106.5	1.33	62.9	2.57	22.2	157.1	1.35	44.3
7	8.18	319.7	729.0	4.12	7.1	5.49	209.7	458.7	2.25	11.0	8.68	209.6	494.7	1.67	10.4
8	1.40	24.3	178.1	1.53	40.2	1.24	20.2	123.2	2.11	55.9	2.69	23.6	177.2	2.06	39.8
9	4.47	103.3	659.0	7.56	10.6	4.56	173.2	421.4	3.50	12.5	5.15	99.0	457.4	6.05	16.1
10	3.02	17.6	178.4	1.28	41.2	3.86	23.9	111.8	1.56	54.9	3.86	24.5	166.6	1.42	40.8
11	5.98	152.4	779.3	8.37	8.6	7.83	230.7	438.4	2.05	10.7	7.73	158.0	515.9	3.38	11.3
12	4.12	22.3	165.6	1.21	41.5	1.33	18.3	91.6	1.54	71.2	4.47	25.7	175.4	1.65	38.6
13	6.23	143.0	821.5	9.35	8.3	11.91	235.7	480.2	3.04	10.0	7.89	139.3	551.2	4.92	11.2
14	2.65	19.0	169.5	1.34	42.7	2.22	26.9	109.2	1.41	56.0	3.13	22.2	161.0	1.56	43.1
15	1.05	5.7	176.6	0.47	47.0	3.30	37.4	107.5	0.44	50.2	2.35	22.6	198.3	0.33	36.8
16	3.44	45.5	466.0	0.40	16.2	11.72	149.2	248.0	0.40	17.1	4.22	67.1	444.4	0.37	15.8
17	6.50	127.9	836.1	8.02	8.4	12.45	291.1	439.9	1.68	9.5	7.20	92.9	583.0	6.12	11.8
18	1.97	8.5	163.4	0.93	48.5	1.99	24.5	96.3	0.89	62.9	3.40	21.4	156.2	1.16	44.2
19	5.79	122.0	789.6	7.34	8.9	9.12	225.7	447.6	2.06	10.7	6.27	78.0	552.7	5.27	12.8
20	3.62	10.7	179.3	1.11	42.7	4.05	34.1	117.2	1.04	48.3	4.56	28.2	187.6	1.25	36.0
21	10.46	407.7	790.2	3.68	6.1	12.24	234.9	408.0	1.73	10.9	9.47	210.2	595.8	3.24	9.3
22	3.97	21.0	179.7	1.20	39.4	5.66	31.4	103.8	1.03	51.9	4.53	26.4	177.8	1.47	38.0
23	7.03	91.1	941.7	8.41	8.0	20.93	331.9	486.5	1.80	8.3	8.31	108.6	655.7	4.54	10.4
24	4.81	115.0	651.3	6.58	10.5	5.12	203.2	392.9	2.04	12.2	5.09	54.4	465.3	5.40	15.7
25	2.21	18.8	162.3	1.38	44.6	1.32	19.9	110.1	1.65	61.0	2.95	23.6	163.6	1.67	42.3
26	1.52	8.3	237.4	0.44	34.8	4.64	58.9	143.2	0.44	35.4	3.41	34.2	268.7	0.47	26.6
27	5.45	117.9	728.2	7.77	9.5	7.30	194.1	434.5	3.28	11.5	6.44	88.8	510.1	5.46	13.2
28	3.38	18.3	194.2	1.20	38.0	5.64	33.6	116.0	1.24	47.5	4.12	27.8	184.3	1.37	36.8
29	6.03	75.6	841.9	7.18	9.1	17.40	305.8	425.5	1.75	9.2	7.28	91.9	587.9	3.69	11.7
30	7.18	263.3	663.6	4.09	8.1	5.46	226.5	435.0	2.51	11.0	7.30	156.2	454.8	2.46	12.3
31	1.81	19.1	151.7	1.20	47.3	1.24	21.8	109.8	1.67	60.0	2.74	23.4	159.9	1.67	43.2
32	1.94	10.8	218.7	0.53	36.7	4.02	54.4	132.2	0.47	38.5	3.32	34.9	254.3	0.37	27.8
BAG ACT.	4.36	78.9	445.7	3.65	15.2	6.38	109.7	283.9	2.27	18.6	5.06	64.4	354.8	2.96	18.8
CALC.	4.26	80.6	451.1	3.69	15.0	6.43	112.0	275.9	2.28	18.8	5.13	64.8	345.5	2.94	19.1
33	0.65	8.3	56.1	0.03	124.5	1.50	22.0	29.8	0.02	128.6	0.52	12.4	57.4	0.03	113.0
34	8.43	88.3	699.3	0.32	10.3	13.21	246.6	342.1	0.20	11.5	6.41	135.2	704.2	0.44	9.5
35	3.66	45.8	558.8	0.37	13.8	9.76	181.5	326.3	0.26	13.8	3.07	71.6	637.0	0.55	11.7
36	2.44	26.8	383.2	0.29	20.5	5.55	116.0	207.4	0.17	21.8	2.13	46.9	414.0	0.38	18.0
37	1.45	6.9	328.3	0.90	25.8	2.44	60.5	180.1	0.61	31.4	2.45	31.9	268.7	0.48	27.2
38	1.37	5.4	379.2	3.23	22.6	2.51	82.2	222.6	1.32	24.7	3.80	29.6	273.3	3.12	26.7
39	3.02	58.7	427.1	4.62	16.8	1.91	44.5	326.8	5.62	22.0	4.10	42.6	324.3	4.07	22.0

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	190	1970	FORD	LTD	390	191	1970	FORD	GALA	351	192	1970	FORD	TORI	351
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	13.73	313.4	799.1	3.81	6.6	11.28	240.6	864.7	8.38	6.9	8.28	144.5	990.8	6.48	7.1
2	5.80	56.0	293.3	0.55	22.2	2.75	22.4	252.0	0.85	30.0	1.66	23.6	308.2	0.42	25.3
3	19.42	384.9	733.3	1.70	6.3	11.41	262.9	798.1	2.57	7.1	7.19	118.2	1113.3	2.67	6.7
4	8.76	172.5	582.6	2.85	10.1	5.57	72.6	639.2	6.39	11.5	3.53	37.4	710.3	4.80	11.4
5	5.68	110.7	591.0	4.01	11.3	4.42	48.3	539.2	7.23	14.1	3.08	35.5	602.2	5.24	13.3
6	2.23	32.2	215.4	1.07	32.5	1.64	8.5	177.7	2.19	46.2	1.30	8.0	205.3	1.29	40.0
7	10.49	347.9	648.9	2.52	7.2	6.45	140.5	631.9	5.26	10.0	3.51	54.7	814.5	7.87	9.7
8	2.68	43.5	247.1	2.41	27.4	1.80	16.4	186.8	2.75	40.3	1.41	11.9	238.7	1.97	33.9
9	5.79	94.2	637.9	8.73	11.0	4.63	61.3	519.3	8.07	14.1	2.63	30.5	664.1	6.09	12.3
10	5.99	42.3	236.3	2.03	27.6	4.01	21.5	170.7	1.97	40.9	3.51	15.2	216.3	1.37	35.3
11	8.72	216.7	690.0	6.31	8.4	7.21	177.5	630.4	5.47	9.5	3.17	39.0	818.5	7.76	10.0
12	8.48	48.4	226.3	1.92	27.0	4.15	22.7	182.9	2.10	38.3	4.46	15.9	210.7	1.43	35.5
13	8.65	186.1	732.8	7.96	8.4	7.40	162.0	658.9	7.19	9.5	3.57	43.0	834.1	8.27	9.7
14	4.61	40.6	232.4	1.95	28.6	2.76	19.0	174.3	2.17	41.7	3.12	14.0	212.8	1.64	36.3
15	2.84	16.0	255.4	0.66	30.7	2.14	9.7	208.8	0.70	38.5	1.19	5.0	236.8	0.54	35.7
16	12.23	238.2	399.7	0.30	10.9	5.89	117.7	391.1	0.40	14.9	4.51	90.0	545.1	0.40	12.7
17	9.13	199.9	704.0	5.35	8.5	7.90	169.2	681.9	7.03	9.1	4.42	57.3	800.7	7.48	9.8
18	6.12	42.2	203.0	0.81	30.7	2.58	11.9	176.4	2.01	43.7	2.72	12.1	211.7	1.02	37.1
19	8.16	171.3	666.8	4.86	9.2	7.20	155.5	632.8	5.78	9.9	3.89	50.5	764.1	6.96	10.4
20	9.05	64.3	217.0	0.75	25.6	4.35	21.1	194.1	2.11	38.8	3.33	18.9	241.5	0.91	31.5
21	11.20	329.3	740.9	4.53	6.9	8.95	238.9	728.3	5.19	7.9	3.70	50.6	972.2	9.52	8.3
22	7.67	50.5	235.4	1.71	26.2	4.85	23.4	169.2	2.30	36.8	4.32	18.5	227.9	1.50	32.6
23	10.18	196.8	765.6	5.08	8.0	9.20	178.0	737.3	6.68	8.5	5.54	62.1	856.4	7.15	9.1
24	5.89	108.7	639.8	7.30	10.7	5.02	81.5	569.0	7.45	12.4	2.60	29.6	681.3	6.20	12.1
25	3.66	40.3	229.5	2.10	29.2	2.12	16.8	183.7	2.70	40.9	2.62	12.8	200.0	1.52	39.0
26	4.94	26.2	324.4	1.06	23.3	2.87	9.4	270.7	1.07	30.1	2.01	14.5	313.3	0.68	25.9
27	7.11	134.7	676.9	7.70	9.7	5.91	95.5	623.4	9.39	11.2	3.41	42.2	726.8	7.32	11.0
28	7.01	56.2	254.3	1.82	24.3	4.58	26.3	193.1	2.21	35.6	3.79	20.2	241.5	1.38	31.1
29	9.33	187.1	689.9	3.84	8.8	7.75	113.7	692.6	8.94	9.9	4.98	57.0	765.8	5.84	10.2
30	8.07	225.7	629.4	3.71	8.8	6.31	157.4	583.9	4.61	10.4	2.79	35.0	752.6	7.12	10.9
31	3.48	42.9	226.3	2.16	29.1	1.88	17.5	181.2	2.79	41.3	2.60	12.2	183.4	1.39	42.1
32	6.03	43.5	298.2	0.75	23.0	2.89	15.2	250.8	0.80	30.4	1.82	21.3	297.7	0.47	26.3
BAG ACT.	6.91	107.6	477.1	3.96	13.3	5.14	66.9	412.2	4.78	16.6	3.26	31.6	494.7	4.13	16.0
CALC.	7.00	108.7	462.6	3.95	13.5	5.12	68.9	400.5	4.73	16.9	3.25	30.6	489.9	4.10	16.2
33	1.83	25.7	57.9	0.03	85.3	0.86	18.2	48.5	0.04	111.0	0.69	16.1	70.1	0.05	91.0
34	16.75	299.2	699.3	0.36	7.3	10.32	210.0	602.7	0.38	9.2	7.18	170.0	871.9	0.58	7.6
35	7.32	121.7	372.3	0.20	15.1	3.75	55.1	628.5	0.58	12.2	2.14	44.7	671.6	0.54	11.9
36	4.83	89.9	297.6	0.18	19.5	2.68	39.2	411.9	0.43	18.4	1.25	16.4	542.7	0.53	15.5
37	2.03	14.2	363.2	1.24	22.6	1.83	9.7	313.2	1.33	26.6	0.78	2.3	378.3	0.83	23.1
38	3.29	59.0	388.8	2.72	18.0	2.43	17.0	315.3	4.00	25.4	1.70	11.3	372.4	3.24	22.4
39	4.16	85.1	492.6	5.44	13.9	3.18	43.1	363.0	5.66	20.1	2.44	31.1	448.1	5.02	17.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	193	1970	MERC	MONR	390	194	1970	OLDS	CUTL	350	195	1970	PLYM	FRY2	383
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	15.85	337.0	1033.0	3.52	5.5	14.27	499.8	779.7	1.58	5.5	23.19	623.1	847.3	1.34	4.7
2	9.68	47.9	281.1	0.69	22.9	2.66	19.2	266.4	0.37	29.1	7.03	74.7	233.9	0.26	23.8
3	23.87	311.9	1055.5	1.61	5.5	8.90	178.3	939.4	1.87	7.1	30.38	416.2	941.0	1.67	5.2
4	10.66	122.9	749.6	5.14	9.1	5.25	100.2	623.8	3.32	11.1	8.21	220.1	605.2	2.53	8.4
5	8.38	151.5	643.4	3.40	9.8	5.75	176.0	486.2	2.09	11.4	7.15	253.4	543.0	1.58	9.2
6	2.76	12.2	204.1	1.30	38.2	2.06	28.4	186.3	1.30	37.4	1.31	18.6	216.0	0.81	35.6
7	9.62	247.6	840.2	4.48	7.0	8.81	321.1	567.4	1.81	8.1	10.40	384.4	639.2	1.39	7.0
8	2.10	10.7	232.5	2.23	34.7	2.22	26.6	220.5	2.82	32.9	1.94	34.7	245.6	1.13	29.0
9	5.48	141.9	683.0	4.36	9.6	6.78	228.3	451.8	2.27	10.7	7.12	251.6	536.6	1.60	9.3
10	4.68	17.2	224.3	1.55	33.3	3.87	25.5	193.3	1.76	36.1	6.54	45.3	205.8	0.74	29.8
11	8.58	241.4	788.6	3.57	7.4	10.05	390.2	527.5	0.87	7.6	10.85	393.0	616.6	1.32	7.0
12	6.51	21.0	199.0	1.53	35.1	4.45	29.0	209.5	2.06	33.0	8.11	42.1	209.3	0.79	29.5
13	8.54	235.4	830.5	4.09	7.2	10.84	410.7	555.4	1.14	7.2	12.11	407.5	650.0	1.48	6.7
14	4.21	12.7	212.6	1.69	36.1	3.04	24.6	181.3	1.75	38.7	5.64	38.1	197.5	0.73	32.2
15	6.36	9.4	218.8	1.00	35.0	1.95	11.7	199.0	0.43	39.7	3.66	63.5	203.1	0.21	28.2
16	16.82	159.3	462.4	0.27	11.6	4.74	53.8	485.1	0.20	15.2	11.21	247.0	405.4	0.21	10.7
17	10.24	270.6	827.1	3.52	6.9	10.85	402.3	556.9	1.18	7.3	14.81	486.6	647.1	1.12	6.1
18	4.85	15.3	200.7	1.08	37.0	2.83	29.8	178.6	1.01	37.9	4.06	35.4	210.1	0.61	31.8
19	10.21	284.1	733.3	1.78	7.3	9.14	325.2	554.4	1.77	8.1	10.61	382.7	648.5	1.34	6.9
20	6.62	24.1	234.9	1.34	30.2	4.21	30.9	196.9	0.94	34.3	7.37	37.7	213.0	0.60	30.0
21	10.30	290.2	935.5	4.14	6.2	12.02	459.3	626.6	1.17	6.4	13.44	460.7	719.3	1.35	6.0
22	6.35	19.7	222.7	1.49	32.4	5.01	29.7	194.8	1.71	36.5	7.88	39.4	221.0	0.79	28.8
23	12.39	193.6	943.8	6.08	6.9	8.90	221.0	758.7	3.63	7.8	14.66	324.5	842.5	2.78	6.3
24	7.21	172.3	693.4	3.71	9.0	7.22	248.0	477.7	1.92	10.0	7.05	273.3	554.5	1.43	8.8
25	4.13	14.4	195.9	1.50	38.3	2.30	27.0	193.6	1.85	36.5	3.85	34.9	203.9	0.68	32.7
26	9.12	20.8	298.4	1.30	24.7	2.73	20.1	288.4	0.43	27.0	4.52	58.3	283.5	0.35	22.8
27	7.26	179.1	765.0	4.64	8.3	9.68	353.3	484.5	1.26	8.3	9.58	295.0	617.8	1.94	8.0
28	6.02	24.0	238.8	1.44	30.0	4.75	31.1	201.4	1.57	33.4	7.07	46.1	227.8	0.73	27.5
29	10.14	85.8	898.6	7.58	8.3	7.92	168.2	691.4	4.10	9.0	11.54	188.8	813.4	3.51	7.7
30	8.25	219.2	750.9	3.66	7.9	8.26	299.5	511.0	1.68	8.8	8.45	294.5	600.5	1.59	8.1
31	3.50	12.1	194.4	1.68	39.5	2.23	26.8	183.2	1.94	38.2	2.83	24.8	213.8	0.94	33.9
32	8.98	30.0	296.1	1.17	23.9	2.88	19.6	268.4	0.42	28.8	6.08	67.7	255.8	0.32	23.3
BAG ACT.	6.58	88.9	513.8	3.41	13.2	5.85	148.2	384.4	2.05	14.0	7.92	163.7	437.1	1.29	12.3
CALC.	6.51	87.8	508.0	3.30	13.3	5.92	145.8	375.2	2.02	14.2	7.84	163.2	432.3	1.35	12.4
33	1.89	15.9	73.5	0.06	85.0	0.85	16.6	52.7	0.03	109.0	3.52	31.8	42.6	0.01	85.6
34	23.79	218.3	835.3	0.49	7.1	9.54	167.4	672.4	0.30	9.2	33.10	423.4	627.2	0.22	6.4
35	12.02	96.3	433.0	0.25	14.3	3.87	48.4	524.0	0.28	14.5	8.53	250.5	584.4	0.35	8.7
36	8.08	59.0	319.7	0.22	20.3	2.67	32.4	340.6	0.20	22.2	5.20	168.3	398.5	0.25	13.1
37	8.45	2.9	359.2	2.05	22.7	2.11	17.4	278.9	0.78	28.4	2.69	59.6	324.5	0.45	20.8
38	2.19	13.7	435.3	4.30	19.1	2.87	41.6	310.1	2.29	23.1	1.47	20.8	409.3	1.49	19.9
39	2.17	22.4	537.1	6.36	15.3	3.33	53.1	395.9	5.02	18.1	3.09	69.5	438.9	2.00	15.9

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	196	1970	PLYM	FRY2	318	197	1970	PONT	LEMA	350	198	1970	DATS	STAN	97
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	11.40	298.7	797.9	2.99	6.8	7.67	146.7	988.7	8.11	7.1	7.56	160.7	445.7	1.46	12.3
2	3.70	43.3	263.4	1.08	25.9	1.55	0.0	423.6	1.16	20.7	1.62	13.0	148.5	2.10	51.0
3	9.96	210.2	846.6	2.24	7.3	6.49	2.8	1261.6	5.71	6.9	6.61	80.4	573.4	0.34	12.3
4	5.88	113.0	603.4	3.46	11.1	4.03	30.2	737.3	5.97	11.1	3.43	36.6	360.4	3.01	20.3
5	5.25	101.9	541.8	3.74	12.4	4.55	116.3	555.3	4.12	11.8	2.03	23.6	330.0	5.86	23.6
6	2.09	26.8	196.4	2.02	36.2	1.17	2.6	235.3	1.42	36.5	1.18	4.9	120.5	3.36	67.2
7	7.87	219.6	642.4	3.47	8.8	7.27	242.6	678.4	3.39	8.2	3.37	75.9	279.4	2.67	21.7
8	2.24	26.0	225.7	3.42	32.4	1.46	5.8	256.0	2.84	32.9	1.29	7.9	147.2	4.35	54.2
9	5.18	94.5	550.6	6.07	12.4	4.80	134.7	526.1	3.78	11.8	3.41	70.2	304.6	4.95	20.8
10	4.47	26.9	202.0	2.52	33.9	1.73	3.1	258.2	1.86	33.1	1.53	6.1	123.0	3.14	64.6
11	8.08	230.0	624.4	3.22	8.8	7.74	255.9	631.0	2.75	8.4	5.42	127.8	316.3	2.00	16.6
12	5.78	30.8	214.2	2.83	31.6	2.42	3.0	287.0	2.39	29.6	1.68	6.0	124.3	3.80	63.8
13	8.33	216.7	650.3	3.82	8.7	7.80	233.7	686.5	4.17	8.2	6.56	139.9	350.5	2.33	15.0
14	3.40	28.6	209.4	2.78	33.5	1.62	2.7	246.7	2.09	34.7	1.36	6.8	126.4	3.43	62.8
15	2.50	21.5	207.9	0.44	35.5	1.21	0.0	305.0	0.88	28.7	1.62	6.2	103.4	1.51	75.0
16	6.30	92.8	456.2	0.20	14.3	3.33	0.0	821.1	1.12	10.7	2.52	11.1	240.9	1.10	33.3
17	7.75	174.1	680.9	3.95	9.1	8.00	220.2	720.7	4.23	8.1	5.03	91.9	307.1	3.45	16.2
18	3.02	29.4	194.1	1.72	35.5	1.04	0.0	261.9	1.20	33.5	1.24	5.5	111.6	2.74	71.4
19	6.54	128.7	658.2	4.82	10.1	5.12	71.6	752.7	8.30	10.1	4.15	53.3	392.0	4.85	18.2
20	4.61	36.2	219.5	1.86	30.5	1.29	0.0	319.0	1.43	27.5	1.43	5.9	116.6	2.75	68.1
21	10.11	310.6	689.4	2.75	7.3	9.34	314.5	723.9	2.67	7.1	6.63	142.0	311.4	1.39	16.0
22	5.55	35.9	212.6	2.38	31.0	1.95	2.9	288.1	2.06	29.7	1.85	7.3	121.7	3.00	63.9
23	9.57	181.5	749.2	3.71	8.3	6.36	58.9	946.3	9.40	8.4	7.12	97.9	462.5	2.73	13.9
24	5.59	120.1	570.2	4.61	11.4	5.99	181.8	534.9	2.88	10.6	3.85	90.8	308.8	3.30	19.1
25	3.05	26.3	202.6	2.76	35.0	1.83	3.7	240.5	2.23	35.2	1.22	6.7	128.2	3.78	62.2
26	3.67	28.1	295.9	0.88	25.2	1.81	0.0	441.9	1.33	19.8	1.97	5.4	127.3	1.95	62.5
27	6.32	129.4	621.4	5.22	10.5	6.20	144.9	656.6	6.21	9.8	4.59	86.4	346.4	3.57	17.9
28	5.37	34.4	208.5	2.22	31.7	1.78	2.9	289.5	1.87	29.6	1.70	6.4	125.4	3.21	63.0
29	7.57	132.0	675.8	4.24	9.8	5.12	18.3	870.9	8.71	9.7	5.77	62.6	415.0	3.52	16.7
30	7.00	194.2	578.0	3.18	9.8	6.88	222.0	508.7	2.75	9.3	3.65	85.9	309.2	3.51	19.5
31	2.51	26.1	208.4	2.80	34.5	1.83	4.8	246.9	2.48	35.1	1.31	6.5	134.6	4.26	59.6
32	3.86	30.4	278.1	0.71	26.2	1.72	0.0	422.6	1.01	20.7	1.83	5.3	131.4	1.85	61.0
BAG ACT.	5.54	91.2	425.3	3.61	15.1	3.69	68.8	483.7	3.71	14.7	3.13	45.1	243.5	3.39	27.4
CALC.	5.53	91.4	414.4	3.51	15.4	3.74	70.4	472.7	3.60	14.9	3.20	44.8	239.6	3.26	27.7
33	1.14	17.9	56.2	0.03	100.8	0.60	0.5	112.6	0.44	77.0	0.19	3.8	19.9	0.01	335.2
34	10.13	198.2	705.0	0.38	8.5	6.32	5.9	1334.5	3.74	6.5	1.84	48.4	446.8	0.35	16.8
35	4.42	81.6	426.9	0.26	15.6	1.86	3.8	664.5	0.82	13.1	1.18	16.8	418.8	0.95	19.8
36	3.11	49.2	352.4	0.27	20.2	1.55	2.4	446.6	0.68	19.5	1.21	11.7	268.9	0.83	30.5
37	2.66	21.2	304.2	2.01	25.7	1.21	2.1	357.0	1.57	24.4	1.27	13.9	218.7	1.59	36.3
38	2.85	32.3	332.5	4.09	22.6	1.26	2.8	384.9	3.19	22.6	1.79	11.0	204.7	4.30	39.0
39	3.20	42.0	411.3	6.72	18.2	1.88	8.3	454.6	7.16	18.7	1.72	11.1	258.0	6.28	31.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

DENVER

	VHE	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	199	1970	TOYO	CORO	113	200	1970	VOLK	SEDA	97
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	4.90	141.5	538.4	2.85	11.4	9.28	151.0	636.8	1.05	12.6
2	3.60	62.1	122.6	0.46	38.3	1.56	14.7	102.1	0.81	46.7
3	3.93	36.8	460.6	0.51	16.4	5.58	156.5	600.3	0.56	10.3
4	6.25	79.0	344.5	2.50	18.2	3.44	51.8	331.5	2.61	20.9
5	3.59	110.5	312.0	2.51	17.9	2.43	26.6	296.1	4.63	25.7
6	1.31	27.2	107.0	1.21	57.6	0.76	5.3	94.9	1.56	82.5
7	5.07	204.8	387.3	2.55	12.2	2.00	68.4	260.0	1.93	23.7
8	1.24	15.0	146.3	3.92	50.5	0.92	15.2	105.4	1.94	67.1
9	2.97	71.7	361.0	5.81	18.4	2.02	42.5	288.4	4.73	24.8
10	2.63	25.6	125.3	2.73	51.0	0.90	14.0	104.7	1.80	68.5
11	4.05	205.3	374.0	2.25	12.5	5.32	118.9	276.9	1.73	18.5
12	2.41	19.8	128.7	3.05	53.0	0.99	15.4	109.0	1.95	65.1
13	4.69	195.2	401.7	2.44	12.3	7.49	142.7	296.0	1.64	16.3
14	2.73	27.5	119.9	2.42	51.7	0.90	13.0	100.2	1.80	71.9
15	3.59	79.9	79.9	0.07	40.9	1.25	4.4	114.9	0.92	70.6
16	20.14	205.3	183.6	0.00	15.6	2.96	80.0	259.9	0.35	22.5
17	5.06	174.7	380.7	2.22	13.2	7.50	111.5	325.9	2.34	16.9
18	2.51	45.3	100.7	0.64	49.3	0.92	5.1	101.9	1.57	78.7
19	9.52	174.6	360.6	2.63	13.3	4.13	62.3	388.7	3.07	19.6
20	3.82	47.9	108.1	0.75	45.4	1.11	8.2	120.9	1.68	64.7
21	6.44	261.9	414.9	1.82	10.5	12.15	143.5	260.7	1.35	16.6
22	5.16	32.8	121.8	2.30	46.8	1.53	17.5	106.5	1.62	63.9
23	6.05	162.4	420.2	2.38	12.8	8.52	128.8	407.2	2.57	13.9
24	3.76	129.0	336.5	3.11	16.1	3.03	58.4	285.9	3.65	23.0
25	1.70	25.4	122.8	2.60	52.8	0.83	11.6	96.7	1.07	75.4
26	4.60	105.6	115.7	0.15	30.0	1.86	12.8	156.5	0.99	48.7
27	4.25	152.9	362.5	2.60	14.4	5.16	104.8	203.8	2.16	19.1
28	5.92	37.8	123.4	2.12	44.1	1.58	14.9	116.2	1.89	61.3
29	5.07	140.8	376.3	1.76	14.5	6.37	110.0	368.5	2.43	15.8
30	4.53	190.2	331.2	1.84	13.8	3.25	68.0	276.3	3.17	22.6
31	1.35	19.4	118.7	2.64	57.8	0.08	10.9	98.9	2.06	74.8
32	5.93	100.2	103.7	0.14	31.7	2.13	11.8	155.0	0.97	49.4
BAG ACT.	4.56	91.8	252.1	3.08	21.6	3.36	58.2	207.6	2.12	28.7
CALC.	4.55	90.9	248.1	3.01	21.9	3.33	57.4	199.9	2.04	29.5
33	0.91	19.5	25.4	0.02	150.7	0.29	10.6	35.1	0.03	168.8
34	6.81	213.1	309.8	0.21	13.3	2.99	113.7	455.7	0.31	13.8
35	3.18	102.1	172.2	0.14	25.9	1.55	31.2	458.8	0.65	17.3
36	2.17	64.2	148.0	0.16	34.7	1.06	22.2	257.8	0.37	30.0
37	2.55	79.2	154.3	0.66	30.9	0.04	9.1	109.6	1.13	43.0
38	1.99	51.8	214.3	2.79	29.4	0.98	8.0	181.7	3.13	45.0
39	1.87	23.3	305.1	8.78	25.5	1.26	18.6	219.6	4.94	35.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	001	1976	CHEV	C10	350	002	1976	CHEV	VAN	350	003	1976	CHEV	C10	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	15.36	285.4	991.8	3.47	6.0	0.30	6.9	1218.0	7.72	7.2	7.36	244.1	955.8	2.72	6.5
2	2.01	21.9	314.3	0.44	25.0	0.19	0.2	470.9	0.15	10.8	0.25	2.4	315.8	0.14	27.7
3	10.99	280.6	1287.9	2.74	5.0	0.24	0.4	1326.5	1.98	6.7	0.38	4.4	1465.2	2.56	6.0
4	3.47	55.0	754.2	2.92	10.4	0.12	0.2	877.8	3.49	10.1	1.32	14.7	776.5	4.15	11.0
5	0.24	6.1	698.7	6.53	12.5	0.10	0.1	761.2	5.88	11.7	0.14	1.1	663.7	7.12	13.3
6	0.00	0.2	209.0	0.68	42.4	0.08	0.1	282.4	0.70	31.4	0.02	1.0	229.8	0.68	38.3
7	0.62	15.9	898.5	10.98	9.6	1.01	39.7	911.9	9.00	9.1	0.58	12.6	839.2	10.47	10.3
8	0.00	0.2	249.9	2.06	35.5	0.06	0.2	300.6	2.20	29.5	0.02	0.8	274.1	2.61	32.2
9	0.06	0.0	723.2	11.36	12.3	0.09	0.2	778.9	10.13	11.4	0.13	0.5	700.8	11.76	12.6
10	1.66	3.6	237.0	1.36	35.8	0.10	0.1	299.7	1.47	29.6	0.08	0.6	253.0	1.60	34.9
11	1.46	68.3	830.6	11.45	9.4	0.13	1.2	928.8	13.01	9.5	1.86	69.8	795.3	12.15	9.7
12	1.61	2.7	242.8	1.48	35.2	0.11	0.1	275.1	1.16	32.2	0.07	1.2	266.2	1.91	33.1
13	3.99	104.6	823.0	10.55	8.9	0.10	0.2	974.8	12.62	9.1	1.90	68.7	846.3	12.66	9.2
14	1.00	2.2	249.5	1.54	34.6	0.07	0.1	279.9	1.45	31.7	0.03	1.1	240.1	1.77	36.7
15	0.05	0.4	253.8	0.69	34.9	0.05	0.2	352.3	0.27	25.2	0.01	1.7	235.8	0.33	37.2
16	2.51	66.3	616.9	0.32	11.7	0.12	0.5	884.9	0.44	10.0	0.05	6.8	614.1	0.00	14.2
17	6.17	172.3	768.4	5.71	8.4	0.15	2.2	961.1	9.37	9.2	3.46	136.6	793.9	7.09	8.7
18	0.71	1.2	229.4	0.54	38.0	0.11	0.1	293.7	0.51	30.2	0.04	1.3	234.8	0.57	37.5
19	2.71	112.2	802.6	6.49	9.0	0.11	0.2	919.3	8.38	9.6	1.57	31.2	811.3	7.94	10.3
20	2.56	7.0	214.0	0.34	38.1	0.14	0.2	344.9	0.57	25.7	0.05	2.2	277.2	0.62	31.6
21	6.44	192.6	834.5	7.02	7.7	0.80	42.8	1033.7	12.56	8.0	3.97	161.2	853.5	9.36	7.9
22	2.36	5.9	257.9	1.36	32.3	0.13	0.2	320.4	1.47	27.6	0.16	2.0	267.4	1.68	32.8
23	8.74	229.4	849.0	3.54	7.2	0.13	0.7	1042.1	6.03	8.5	3.93	74.9	941.0	6.00	8.3
24	0.26	6.9	727.9	10.93	12.0	0.09	0.2	817.5	10.29	10.8	0.14	1.8	708.8	11.80	12.5
25	0.26	0.0	226.6	1.57	39.0	0.09	0.1	247.0	1.26	35.9	0.03	1.4	234.7	1.86	37.4
26	0.89	21.1	333.9	0.76	24.0	0.11	0.3	465.7	0.21	19.0	0.03	4.2	308.1	0.15	28.2
27	2.27	68.8	745.6	9.69	10.3	0.09	0.2	860.2	9.69	10.3	1.23	27.0	773.8	11.69	10.8
28	2.10	8.4	254.7	1.22	32.3	0.10	0.2	326.7	1.35	27.1	0.06	2.0	276.7	1.53	31.7
29	4.07	103.7	910.4	4.30	8.2	0.10	0.4	954.1	4.28	9.3	4.32	65.8	862.1	4.38	9.1
30	0.07	1.8	812.8	12.31	10.9	0.11	0.2	868.1	11.66	10.2	0.17	2.7	767.8	12.85	11.5
31	0.04	0.0	218.0	1.82	40.7	0.07	0.1	270.5	1.73	32.8	0.03	1.4	235.5	2.28	37.3
32	1.24	15.6	331.5	0.74	24.7	0.10	0.3	454.1	0.27	19.5	0.05	4.1	315.2	0.15	27.6
BAG ACT.	2.07	38.9	529.6	4.57	14.9	0.14	2.4	596.9	4.86	14.8	0.74	20.3	535.6	5.23	15.6
CALC.	1.88	34.5	523.5	4.87	15.2	0.13	2.4	600.2	5.00	14.7	0.61	18.4	533.1	5.58	15.7
33	0.83	17.5	67.4	0.02	91.0	0.04	0.0	102.2	0.13	86.8	0.02	0.0	70.8	0.02	125.2
34	8.94	199.1	818.4	0.31	7.7	0.83	0.0	1285.4	0.98	6.9	0.24	0.0	955.4	0.35	9.3
35	2.62	40.3	874.3	0.85	9.4	0.18	0.0	860.8	0.72	10.3	0.12	0.1	909.8	0.71	9.7
36	2.19	43.3	527.5	0.50	14.7	0.12	0.0	567.0	0.57	15.6	0.10	0.1	568.3	0.54	15.6
37	0.33	3.3	384.5	1.12	22.7	0.06	0.0	462.9	0.50	19.2	0.05	0.0	387.4	0.81	22.9
38	0.02	0.0	439.4	1.85	20.2	0.06	0.1	470.7	1.89	18.8	0.04	0.0	442.0	1.74	20.1
39	0.01	0.0	511.0	5.77	17.4	0.03	0.1	550.1	5.19	16.1	0.04	0.1	517.4	5.47	17.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	004	1976	CHEV	C10	350	005	1976	DODG	VAN	318	006	1976	DODG	VAN	225
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.33	13.7	1331.5	10.05	6.6	2.23	76.2	1006.6	4.35	7.8	3.53	84.4	872.3	5.60	8.7
2	0.00	3.3	435.3	0.34	20.2	0.46	23.9	366.4	1.11	21.9	0.16	0.0	338.9	2.16	26.1
3	0.27	15.2	1496.5	3.00	5.8	3.96	189.1	1098.5	1.18	6.3	0.30	0.0	904.7	3.55	9.8
4	0.12	4.2	952.2	4.86	9.3	1.44	62.7	677.5	1.72	11.4	2.05	47.3	596.5	1.73	13.1
5	0.10	1.8	808.7	7.13	10.9	0.74	14.3	580.9	5.44	14.7	1.83	30.9	572.5	3.82	14.2
6	0.01	1.4	283.7	0.87	31.0	0.00	1.8	230.4	1.38	38.1	0.63	9.0	209.7	0.59	39.3
7	3.04	159.7	885.3	5.07	7.7	0.27	7.2	786.6	4.24	11.1	1.73	56.7	742.7	9.71	10.6
8	0.04	1.1	298.0	2.37	29.6	0.00	1.6	241.9	1.00	36.3	0.36	9.6	229.9	1.40	36.0
9	0.08	1.0	855.2	11.13	10.4	0.07	2.1	603.0	5.58	14.6	0.99	20.5	641.5	3.83	13.1
10	0.02	1.4	290.3	1.61	30.3	0.65	9.2	252.4	0.98	33.0	0.31	7.1	240.4	0.99	35.1
11	0.16	3.8	1022.5	14.03	8.6	0.39	17.2	782.6	4.16	10.9	1.67	52.1	728.6	6.83	10.9
12	0.02	1.6	307.9	1.90	28.6	1.11	10.1	254.5	0.98	32.4	0.55	11.4	243.5	1.24	33.7
13	0.10	2.6	1055.9	14.85	8.4	0.26	15.2	817.9	4.92	10.5	1.31	41.3	763.4	7.15	10.7
14	0.01	0.9	282.7	1.70	31.2	0.65	6.1	235.0	1.01	36.0	0.51	10.9	224.5	1.08	36.5
15	0.00	1.8	324.4	0.37	27.1	0.00	7.7	278.8	1.01	30.5	0.04	0.0	244.0	2.14	36.4
16	0.00	3.5	815.1	0.85	10.8	2.12	147.1	696.2	0.37	9.5	0.08	0.0	637.6	0.62	13.9
17	0.10	3.3	1063.3	11.63	8.3	0.58	29.9	829.6	2.83	10.1	2.99	73.5	690.9	5.04	10.9
18	0.01	1.3	283.0	0.74	31.1	0.27	12.7	246.7	1.18	33.2	0.73	9.6	222.0	0.53	37.1
19	0.13	4.5	1016.2	10.73	8.7	0.40	25.4	781.4	4.45	10.8	2.50	57.6	661.1	4.74	11.7
20	0.01	2.2	346.0	0.78	25.4	0.35	21.7	285.9	1.02	27.6	0.75	9.4	263.0	0.59	31.7
21	1.15	48.5	1152.7	13.69	7.2	1.52	79.3	839.2	4.29	9.2	2.19	68.3	825.9	8.63	9.4
22	0.03	1.2	320.3	1.72	27.5	0.82	15.4	269.7	0.95	29.9	0.43	8.5	254.0	1.12	33.0
23	0.21	9.3	1193.9	8.82	7.3	0.99	65.5	903.9	2.30	8.8	1.85	46.4	765.0	3.25	10.5
24	0.06	1.2	864.7	10.99	10.2	0.16	10.4	618.8	2.90	14.0	0.96	20.7	641.7	3.90	13.1
25	0.02	0.9	278.1	1.90	31.8	0.48	5.8	238.9	1.17	35.6	0.47	10.8	215.8	1.17	37.9
26	0.00	2.6	444.4	0.48	19.8	0.00	18.0	391.5	1.40	21.1	0.06	0.0	335.0	2.62	26.5
27	0.06	2.2	933.5	12.39	9.5	0.25	17.5	714.6	3.65	11.9	1.43	33.6	674.4	4.79	12.1
28	0.02	1.2	328.4	1.64	26.9	0.59	17.9	280.6	1.06	28.6	0.47	8.5	257.0	0.98	32.6
29	0.11	5.4	1061.9	6.44	8.3	0.79	59.8	802.6	3.89	9.9	1.98	43.9	690.1	2.75	11.6
30	0.12	4.3	955.5	11.18	9.2	0.10	7.7	702.6	6.12	12.4	1.59	40.8	676.5	6.20	11.9
31	0.01	0.9	258.8	1.78	34.1	0.28	6.2	218.8	1.04	38.7	0.62	13.4	212.9	1.27	37.6
32	0.00	3.3	445.8	0.46	19.7	0.15	29.4	381.8	1.07	20.7	0.07	0.0	335.7	2.43	26.4
BAG ACT.	0.17	8.5	656.8	5.55	13.2	0.62	15.1	523.9	2.32	16.2	0.96	24.7	468.4	3.13	17.4
CALC.	0.16	7.4	638.6	5.83	13.6	0.46	19.1	495.4	2.38	16.8	0.98	23.0	467.4	3.24	17.5
33	0.01	0.0	102.3	0.11	86.7	0.50	20.0	85.3	0.07	75.0	0.02	0.0	82.4	0.24	107.6
34	0.22	0.2	1238.1	0.68	7.2	6.28	250.1	1014.2	0.18	6.2	0.26	0.0	977.2	1.62	9.1
35	0.14	0.2	897.6	0.63	9.9	3.10	116.7	536.5	0.40	12.2	0.11	0.0	497.5	0.51	17.8
36	0.08	0.2	601.9	0.51	14.7	1.86	57.7	427.0	0.38	17.0	0.09	0.0	371.7	0.77	23.9
37	0.07	0.1	506.6	0.59	17.5	0.10	0.1	365.2	2.25	24.3	0.08	0.0	327.2	2.83	27.1
38	0.04	0.1	499.9	2.07	17.7	0.06	0.2	405.5	2.20	21.9	0.72	11.5	382.6	1.18	22.0
39	0.03	0.1	564.0	5.92	15.7	0.05	0.1	483.9	2.83	18.3	1.11	26.0	445.4	4.20	18.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	007	1976	FORD	F100	302	008	1976	FORD	F100	360	009	1976	FORD	F100	360
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.15	1.9	1357.6	6.93	6.5	2.57	20.4	1208.2	8.03	7.1	2.06	28.8	1278.8	6.96	6.7
2	0.05	0.2	419.8	0.38	21.1	0.35	8.0	533.2	0.60	16.2	0.45	7.3	563.5	0.68	15.4
3	0.74	0.3	1515.5	5.51	5.8	2.14	30.0	1397.3	2.51	6.1	2.38	22.5	1576.7	3.08	5.5
4	0.63	0.4	918.6	4.00	9.6	1.53	15.4	831.5	3.55	10.3	1.45	15.4	890.2	3.18	9.7
5	0.60	0.6	786.1	4.91	11.2	1.30	10.2	730.2	5.63	11.8	1.04	11.6	766.8	4.29	11.3
6	0.06	0.1	265.9	0.80	33.3	0.62	4.2	307.3	0.80	28.1	1.22	3.9	343.3	0.53	25.1
7	1.05	11.1	1034.4	5.85	8.4	1.30	16.9	944.4	12.33	9.1	0.91	56.4	1000.0	5.36	8.1
8	0.08	0.2	281.9	0.85	31.4	1.11	4.2	327.1	1.50	26.3	1.08	5.3	359.7	1.11	23.9
9	0.54	2.1	821.2	4.79	10.7	1.18	7.0	727.3	8.37	12.0	0.77	10.2	763.5	7.03	11.4
10	0.05	0.1	273.0	0.63	32.5	1.33	4.3	318.4	0.97	26.9	1.93	4.7	343.0	0.91	24.9
11	0.60	5.8	1064.3	6.04	8.3	1.53	12.0	908.4	12.83	9.5	0.83	31.2	966.5	7.95	8.7
12	0.05	0.1	289.6	0.62	30.6	2.48	6.4	331.0	1.10	25.4	2.06	5.6	354.7	0.88	23.8
13	0.49	3.2	1102.6	6.08	8.0	1.59	12.1	949.6	12.81	9.1	1.02	18.1	906.8	9.42	8.6
14	0.04	0.1	257.7	0.59	34.4	1.71	4.9	293.9	0.94	28.9	2.71	4.3	319.2	1.03	26.5
15	0.05	0.0	310.9	0.36	28.5	0.28	7.6	397.5	0.60	21.6	0.40	4.7	414.8	0.53	21.0
16	0.19	0.0	796.3	0.44	11.1	1.24	8.4	1015.1	0.92	8.6	1.52	8.6	979.7	1.59	8.9
17	0.74	3.3	1119.1	6.29	7.9	1.81	9.9	940.5	9.16	9.2	1.55	18.1	1008.3	7.66	8.5
18	0.04	0.0	274.1	0.60	32.4	0.69	3.4	322.8	0.79	26.9	2.17	4.3	347.9	0.52	24.5
19	0.72	2.4	1051.6	5.83	8.4	1.75	10.7	904.5	8.88	9.6	1.44	13.9	918.9	6.80	9.4
20	0.04	0.0	322.4	0.61	27.5	0.75	4.9	396.2	1.07	21.8	2.56	5.5	401.8	0.58	21.2
21	0.80	14.7	1239.7	5.07	7.0	1.70	13.3	1069.3	15.90	8.1	1.09	36.3	1125.1	9.42	7.5
22	0.05	0.1	292.4	0.56	30.3	2.36	4.8	346.8	1.19	24.5	3.00	6.0	360.8	1.02	23.4
23	0.70	0.6	1216.7	5.71	7.3	2.07	19.3	1077.5	6.45	8.0	1.83	21.6	1143.1	4.80	7.5
24	0.45	1.8	862.6	4.44	10.2	1.32	7.2	772.0	9.61	11.3	0.92	12.2	798.3	7.12	10.8
25	0.05	0.1	252.1	0.60	35.2	1.73	4.0	296.5	1.08	28.8	2.76	4.9	306.8	0.96	27.5
26	0.09	0.0	447.3	0.58	19.8	0.40	8.4	543.1	0.87	15.9	0.54	6.8	587.7	0.77	14.8
27	0.48	1.4	942.0	6.12	9.4	1.50	9.7	836.2	10.04	10.4	1.11	13.4	866.4	7.61	10.0
28	0.05	0.0	298.6	0.59	29.7	1.25	5.6	355.0	0.90	24.1	2.27	5.2	373.9	0.94	22.8
29	0.58	0.2	1105.9	4.45	8.0	1.84	18.4	964.0	5.56	8.9	1.69	20.0	1052.0	3.54	8.2
30	0.51	5.6	960.6	3.89	9.1	1.36	9.8	842.9	11.87	10.3	0.87	15.1	870.4	8.06	9.9
31	0.05	0.1	253.1	0.63	35.0	2.45	5.2	289.3	1.26	29.1	3.01	5.2	299.7	0.93	27.9
32	0.06	0.0	417.7	0.33	21.2	0.48	12.4	542.3	0.79	15.8	0.58	7.4	573.1	0.81	15.1
BAG ACT.	0.27	2.5	620.4	2.66	14.2	1.22	6.3	617.6	4.79	14.1	1.31	11.1	658.4	3.29	13.1
CALC.	0.26	1.7	622.1	2.72	14.2	1.20	8.1	610.0	4.93	14.2	1.24	11.6	645.4	3.58	13.3
33	0.04	0.0	98.4	0.09	90.1	0.20	1.2	132.2	0.18	65.8	0.20	0.7	127.3	0.08	68.8
34	0.44	0.0	1193.0	0.92	7.4	2.17	11.7	1638.1	1.62	5.3	3.79	8.0	1489.9	1.19	5.9
35	0.16	0.0	804.4	0.82	11.0	1.08	4.9	819.1	0.72	10.7	1.13	6.3	1066.0	1.01	8.2
36	0.10	0.0	748.4	1.12	11.9	0.70	2.9	535.7	0.45	16.4	1.10	2.5	572.8	0.60	15.3
37	0.10	0.0	427.0	1.07	20.8	0.37	3.2	469.4	1.07	18.7	0.44	5.2	574.6	0.58	15.2
38	0.15	0.1	425.8	2.16	20.8	0.49	3.5	477.7	1.41	18.3	0.47	4.8	511.3	1.09	17.1
39	0.13	0.3	519.6	2.34	17.1	0.37	4.0	545.5	3.46	16.0	0.20	7.7	561.9	3.15	15.4

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	010	1976	FORD	COUR	110	018	1976	AMC	HORN	258	019	1976	BUIC	REGA	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	3.88	51.8	650.5	1.32	11.9	1.65	10.2	904.3	13.25	9.6	0.50	15.8	1368.8	5.18	6.4
2	0.45	0.0	305.2	0.27	28.9	0.52	3.4	261.6	0.81	33.0	0.05	0.0	398.2	0.10	22.9
3	2.04	22.6	728.3	0.91	11.5	1.76	9.7	981.2	3.85	8.9	0.10	0.0	1367.6	1.26	6.5
4	1.60	10.7	625.4	1.48	13.7	1.17	10.0	616.0	7.77	14.0	0.14	1.8	966.8	2.54	9.1
5	0.81	6.5	519.4	1.76	16.7	0.71	2.0	525.4	9.28	16.7	0.10	0.0	756.9	3.07	11.7
6	0.18	0.0	206.8	0.40	42.8	0.17	1.1	172.7	1.81	50.7	0.02	0.0	226.3	0.53	39.2
7	0.47	21.1	550.7	1.24	15.2	0.84	8.4	690.7	11.33	12.6	0.74	26.1	907.8	7.94	9.3
8	0.18	0.0	231.4	1.02	38.3	0.09	0.8	188.8	2.78	46.6	0.02	0.0	247.9	1.78	35.8
9	0.02	6.8	534.1	2.02	16.3	0.51	1.8	524.0	10.47	16.8	0.33	12.6	705.1	4.67	12.2
10	0.18	0.3	205.1	0.66	43.1	1.18	2.6	185.1	1.99	46.0	0.04	0.0	248.2	1.14	35.7
11	0.69	44.1	590.7	1.09	13.4	0.61	5.7	678.9	11.75	12.9	0.73	28.9	901.8	7.40	9.3
12	0.42	0.3	206.8	0.73	42.5	1.74	2.4	182.4	2.29	46.3	0.04	0.0	251.4	1.34	35.3
13	0.77	45.4	623.6	1.33	12.7	0.68	3.5	697.0	13.15	12.6	0.55	23.0	976.6	7.35	8.7
14	0.11	0.2	208.5	0.70	42.4	0.50	1.3	183.8	2.21	47.3	0.02	0.0	228.8	1.38	38.8
15	0.00	0.5	234.6	0.22	37.7	0.38	1.1	192.5	1.05	45.4	0.00	0.0	277.3	0.07	32.0
16	0.00	4.9	615.9	0.37	14.2	1.22	21.7	492.9	0.25	16.7	0.00	0.0	761.4	0.10	11.7
17	2.81	45.1	618.7	1.08	12.7	0.95	5.0	694.1	12.82	12.6	0.59	22.4	1005.5	5.93	6.5
18	0.06	1.2	200.6	0.28	43.8	0.30	1.7	185.9	1.64	46.8	0.02	0.0	248.5	0.39	35.7
19	1.60	16.3	600.9	1.31	14.1	0.97	6.4	672.6	12.36	12.9	0.31	14.3	951.8	4.95	9.1
20	0.23	1.6	220.0	0.31	39.8	1.12	2.1	198.0	1.61	43.3	0.03	0.5	290.4	0.46	30.5
21	1.19	42.7	547.5	0.96	14.4	0.85	9.2	792.6	13.94	11.0	1.49	60.4	1031.2	9.09	7.8
22	0.33	1.9	212.5	0.64	41.0	2.34	2.0	179.3	1.92	46.8	0.05	0.4	268.0	1.31	33.0
23	3.15	46.1	686.3	1.40	11.5	1.43	5.2	771.0	11.33	11.3	0.15	6.1	1191.2	4.57	7.4
24	0.42	10.7	555.9	1.46	15.5	0.53	1.6	563.3	10.99	15.6	0.55	22.4	754.3	4.87	11.2
25	0.43	1.7	203.4	0.73	42.8	0.52	0.8	168.1	2.40	51.9	0.03	0.6	227.0	1.43	38.9
26	0.12	4.1	300.0	0.28	28.9	0.58	1.2	278.9	1.45	31.4	0.00	0.8	383.2	0.05	23.1
27	0.75	21.7	578.5	1.86	14.4	0.61	2.9	617.3	11.58	14.2	0.66	26.6	849.9	5.97	9.9
28	0.16	2.4	215.5	0.64	40.4	1.93	2.0	193.9	1.86	43.7	0.03	0.8	275.7	1.19	32.0
29	3.49	44.8	594.4	1.44	13.1	1.33	4.6	690.0	10.17	12.7	0.03	1.5	1028.8	3.91	8.6
30	0.51	29.8	570.9	1.32	14.3	0.61	2.3	625.9	12.06	14.1	0.82	32.3	818.8	6.17	10.2
31	0.35	1.7	200.4	0.70	43.5	0.13	0.6	163.7	2.47	53.8	0.03	0.6	217.4	1.36	40.6
32	0.01	5.7	280.6	0.23	30.7	0.67	1.0	257.3	1.24	34.0	0.00	2.5	400.9	0.10	21.9
BAG ACT.	0.49	13.8	398.7	1.16	21.0	0.92	3.6	403.3	6.15	21.5	0.26	9.2	530.7	3.16	16.3
CALC.	0.46	12.9	404.1	1.13	20.8	0.89	3.1	409.2	6.25	21.3	0.24	9.1	551.4	3.31	15.7
33	0.12	1.5	32.0	0.01	255.9	0.14	0.9	64.0	0.10	134.9	0.02	0.0	97.2	0.08	91.2
34	1.65	40.7	643.2	0.37	12.5	1.70	10.7	768.0	0.81	11.2	0.38	0.0	1137.4	0.56	7.8
35	0.57	22.9	417.4	0.30	19.5	1.12	13.1	582.6	0.74	14.6	0.20	0.0	829.8	0.40	10.7
36	0.07	10.8	466.4	0.36	18.4	0.73	8.3	332.9	0.52	25.5	0.10	0.0	525.8	0.30	16.9
37	0.00	1.0	378.6	0.43	23.3	0.39	1.2	287.2	1.54	30.6	0.10	0.0	390.1	0.26	22.7
38	0.00	0.5	319.9	0.68	27.7	0.33	1.7	319.8	3.64	27.4	0.04	0.0	400.7	1.17	22.1
39	0.01	0.3	370.1	2.01	23.9	0.16	1.4	376.3	6.05	23.4	0.04	0.0	441.5	3.94	20.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	020	1976	BUIC	STAW	455	021	1976	CADI	DEVI	500	022	1976	CHEV	IMPA	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.79	76.0	1510.5	5.84	5.4	1.98	44.7	1559.6	6.40	5.4	0.29	3.6	1273.7	12.08	6.9
2	0.06	2.5	603.7	0.21	14.6	0.06	0.6	511.3	0.28	17.3	0.06	0.5	490.2	0.96	18.1
3	0.06	4.6	1714.8	1.80	5.2	1.02	13.8	1766.1	4.17	5.0	0.41	12.3	1507.2	7.07	5.8
4	0.67	26.5	1060.7	2.32	8.0	1.50	31.7	1009.2	2.48	8.3	0.23	5.5	874.9	4.63	10.0
5	0.42	15.5	923.8	2.51	9.3	0.46	6.7	866.4	3.90	10.1	0.16	0.1	747.3	7.35	11.9
6	0.06	5.4	341.9	0.32	25.3	0.07	0.1	293.2	0.35	30.2	0.07	0.8	279.1	0.91	31.6
7	3.45	179.7	952.4	2.20	7.1	1.05	66.0	1075.4	3.67	7.5	0.31	5.8	949.0	10.92	9.3
8	0.06	2.4	355.8	0.81	24.7	0.08	0.3	319.6	1.24	27.7	0.05	0.6	294.2	2.91	30.1
9	1.02	50.0	899.5	6.74	9.0	0.13	1.0	894.0	4.81	9.9	0.10	0.0	729.3	11.17	12.2
10	0.19	5.5	346.1	0.60	25.0	0.06	0.2	327.4	0.84	27.1	0.06	0.3	306.5	1.92	28.9
11	2.07	142.7	1094.8	5.88	6.7	0.75	71.1	1164.4	5.84	6.9	0.16	0.9	945.7	16.64	9.4
12	0.21	8.2	379.5	0.80	22.6	0.09	0.3	365.9	1.06	24.2	0.05	0.1	328.4	2.32	27.0
13	2.00	141.1	1137.6	6.48	6.5	0.22	7.9	1240.8	5.89	7.1	0.15	1.4	986.5	17.37	9.0
14	0.14	7.1	323.4	0.76	26.5	0.06	0.2	313.1	0.95	28.3	0.03	0.0	281.1	1.95	31.6
15	0.00	3.0	427.6	1.55	20.5	0.00	0.3	377.2	0.28	23.5	0.01	0.0	350.7	1.20	25.3
16	0.00	10.6	1155.5	0.95	7.6	0.00	0.2	1021.5	1.47	8.7	0.03	0.0	957.2	2.06	9.3
17	1.56	77.6	1192.5	7.61	6.7	1.05	33.0	1228.5	6.38	6.9	0.19	2.5	1005.6	14.02	8.8
18	0.21	12.8	358.0	0.49	23.4	0.20	4.8	314.5	0.15	27.5	0.04	0.2	313.1	0.76	28.3
19	1.32	64.2	1112.9	6.14	7.3	0.75	19.0	1115.9	4.55	7.7	0.19	3.7	987.1	11.61	9.3
20	0.23	12.3	436.0	0.50	19.5	0.14	4.6	398.5	0.19	22.0	0.06	0.4	368.9	0.85	24.0
21	4.76	273.7	1103.2	2.71	5.7	1.30	121.3	1320.8	6.26	5.9	0.34	10.7	1101.3	16.59	7.9
22	0.24	7.3	387.4	0.74	22.2	0.09	0.6	360.5	0.83	24.5	0.04	0.0	328.0	1.92	27.0
23	1.18	68.6	1341.3	5.62	6.1	1.62	35.2	1381.6	6.53	6.2	0.18	4.7	1148.5	11.34	7.7
24	1.38	71.2	933.6	6.61	8.5	0.37	11.3	925.8	3.96	9.4	0.21	4.1	784.6	12.94	11.2
25	0.23	12.4	305.9	1.19	27.2	0.09	0.4	303.2	0.82	29.2	0.05	0.3	275.3	2.03	32.2
26	0.00	4.3	599.4	1.38	14.6	0.18	5.7	520.3	0.23	16.8	0.06	2.5	508.1	1.55	17.3
27	1.19	62.0	1042.4	8.24	7.8	0.60	24.6	1055.6	4.32	8.1	0.17	1.5	874.7	14.89	10.1
28	0.19	11.4	380.7	0.94	22.2	0.10	1.1	367.1	0.71	24.0	0.05	1.2	329.6	1.80	26.8
29	1.23	65.2	1161.3	3.79	6.9	2.24	49.4	1212.9	5.31	6.8	0.30	11.4	1032.3	7.63	8.4
30	2.74	146.8	919.1	4.17	7.7	0.59	26.1	1012.1	4.65	8.4	0.25	5.1	848.9	12.91	10.3
31	0.25	15.9	308.7	1.40	26.5	0.11	0.8	301.0	0.85	29.3	0.06	1.8	269.2	2.23	32.6
32	0.00	5.9	584.4	0.51	15.0	0.20	7.5	507.3	0.34	17.1	0.06	2.4	489.1	1.28	18.0
BAG ACT.	0.89	63.2	696.4	2.85	11.1	0.40	14.4	701.9	2.75	12.2	0.13	2.7	605.8	6.32	14.5
CALC.	0.82	47.6	698.5	2.96	11.4	0.34	13.5	694.9	2.72	12.4	0.12	2.1	600.8	6.89	14.7
33	0.00	0.0	139.7	0.09	63.5	0.01	0.0	129.9	0.37	68.3	0.04	0.4	120.1	0.57	73.5
34	0.12	0.4	1687.1	0.84	5.3	0.33	0.2	1589.2	3.02	5.6	0.40	0.0	1482.6	5.00	6.0
35	0.06	0.2	859.3	0.37	10.3	0.29	0.3	857.1	0.91	10.3	0.20	0.0	746.4	0.93	11.9
36	0.02	0.1	756.0	0.56	11.7	0.19	0.2	560.9	0.80	15.8	0.15	0.0	497.6	0.81	17.8
37	0.11	0.1	539.6	0.42	16.4	0.14	0.1	483.0	0.40	18.4	0.14	0.0	402.0	2.37	22.1
38	0.06	2.1	548.8	0.74	16.1	0.07	0.1	509.7	0.94	17.4	0.06	0.0	394.4	1.74	22.5
39	0.10	9.6	628.3	3.46	13.8	0.06	0.1	572.1	3.11	15.5	0.04	0.0	498.5	5.54	17.8

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	023	1976	CHEV	MONT	350	024	1976	CHEV	VEGA	140	025	1976	CHEV	STAW	400
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.08	3.0	1261.0	5.43	7.0	1.40	60.9	732.6	7.60	10.7	4.48	137.7	1286.8	13.50	5.8
2	0.01	0.8	468.6	0.34	18.9	0.93	47.1	240.7	0.28	27.9	1.47	26.5	392.4	0.29	20.2
3	0.00	1.5	1468.1	2.89	6.0	3.22	162.0	728.6	1.28	8.9	10.98	397.3	1152.6	2.47	4.9
4	0.05	1.2	876.6	1.85	10.1	0.79	37.7	504.7	2.76	15.7	2.94	98.4	876.2	6.53	8.5
5	0.06	0.4	723.5	3.25	12.3	0.36	13.3	447.2	5.78	18.9	0.05	2.8	792.7	8.95	11.1
6	0.02	0.7	281.8	0.43	31.4	0.40	13.9	162.5	1.80	47.8	0.00	0.9	276.4	1.28	31.9
7	1.36	63.0	869.6	3.71	9.1	0.34	15.6	580.8	6.53	14.6	0.81	36.4	1017.8	12.51	8.2
8	0.03	2.1	272.4	1.51	32.2	0.32	15.2	173.3	2.82	44.8	0.00	0.7	301.3	3.55	29.4
9	0.06	0.8	714.2	5.13	12.4	0.26	10.9	463.8	4.54	18.4	0.02	1.1	818.4	12.57	10.8
10	0.01	0.7	282.9	0.94	31.2	0.46	26.2	154.3	1.74	45.1	2.35	13.9	267.0	2.38	29.9
11	0.73	31.1	866.0	4.95	9.7	0.28	25.3	577.1	4.86	14.4	0.63	17.7	1071.5	15.88	8.1
12	0.02	1.6	293.1	1.23	30.0	0.79	34.7	168.0	2.11	39.4	0.21	7.4	361.4	3.02	23.8
13	0.42	18.2	921.2	5.55	9.3	0.28	18.4	602.9	6.56	14.0	0.57	22.3	1094.0	18.27	7.8
14	0.01	1.5	261.7	1.06	33.6	0.53	22.3	149.3	1.94	47.7	1.20	5.8	265.7	2.53	31.9
15	0.00	2.4	330.7	0.92	26.5	0.55	34.5	185.8	0.24	36.7	0.26	14.4	295.5	0.38	27.8
16	0.00	5.3	872.7	0.99	10.1	1.84	124.7	435.4	0.10	13.9	4.40	189.1	624.8	0.00	9.5
17	0.08	5.7	976.5	5.20	9.0	0.46	26.8	595.8	6.65	13.9	1.47	45.0	1076.3	17.21	7.7
18	0.00	1.3	289.3	0.40	30.5	0.64	31.5	157.7	1.44	42.4	1.43	9.1	271.1	1.27	30.6
19	0.20	12.1	917.4	3.85	9.5	0.45	24.3	557.2	5.87	14.9	1.04	34.9	1033.4	14.78	8.1
20	0.00	2.2	345.6	0.39	25.4	0.81	44.0	174.2	1.34	36.1	3.06	22.8	295.6	1.14	26.0
21	1.89	111.6	954.6	5.16	7.8	0.41	30.3	683.2	7.24	12.1	1.48	60.8	1191.9	15.63	6.9
22	0.02	2.0	302.2	0.92	29.1	0.68	34.2	167.8	1.82	39.7	2.75	18.4	283.5	2.29	27.6
23	0.03	3.9	1107.5	4.06	8.0	1.33	71.3	624.0	4.87	12.0	2.94	108.9	1142.9	13.67	6.7
24	0.06	3.6	752.1	4.65	11.7	0.33	23.7	473.0	3.91	17.4	0.00	1.6	894.1	14.16	9.9
25	0.01	1.7	260.8	1.05	33.7	0.62	24.8	149.2	1.95	46.7	0.61	3.3	268.3	2.76	32.2
26	0.00	4.3	466.4	1.27	18.8	0.95	55.4	257.1	0.29	25.6	0.88	25.3	387.3	0.43	20.6
27	0.07	5.8	839.2	4.58	10.5	0.38	21.0	527.7	5.99	15.8	0.61	21.2	958.6	16.80	8.9
28	0.01	2.0	316.5	0.89	27.8	0.72	37.2	164.9	1.62	39.3	1.37	26.0	305.8	2.27	25.3
29	0.03	6.2	1020.7	3.34	8.6	1.76	78.5	558.1	4.70	12.9	2.33	93.3	1040.7	10.36	7.4
30	0.16	9.9	831.2	4.84	10.5	0.44	33.2	505.9	4.62	15.9	0.03	2.9	972.8	12.91	9.1
31	0.02	3.8	254.7	1.04	34.0	0.77	25.8	152.3	2.21	45.5	0.21	2.0	270.7	3.15	32.3
32	0.00	5.0	448.5	0.65	19.4	1.07	68.0	230.2	0.23	26.1	1.66	36.5	374.6	0.47	20.3
BAG ACT.	0.19	9.0	568.7	2.39	15.2	0.69	29.6	342.1	3.27	22.7	1.55	25.6	650.1	7.26	12.8
CALC.	0.17	9.7	570.6	2.50	15.1	0.63	33.7	344.3	3.38	22.2	1.36	26.0	623.0	7.93	13.3
33	0.01	0.0	113.0	0.20	78.5	0.33	15.0	53.5	0.04	113.5	1.25	36.3	60.2	0.01	73.2
34	0.29	0.0	1416.7	1.36	6.3	3.91	154.4	690.0	0.42	9.4	19.09	451.6	731.6	0.14	5.9
35	0.16	0.0	805.5	0.52	11.0	1.89	69.9	330.7	0.31	19.9	6.33	179.5	647.8	0.32	9.3
36	0.09	0.0	523.3	0.43	17.0	1.07	25.9	297.2	0.34	26.0	3.55	113.6	462.0	0.26	13.6
37	0.10	0.0	470.6	0.33	18.8	0.55	10.5	257.0	0.90	32.2	0.07	6.3	495.3	0.89	17.6
38	0.05	0.0	445.9	1.01	19.9	0.42	9.8	267.0	3.12	31.3	0.02	5.0	507.8	3.15	17.2
39	0.04	0.0	488.3	3.16	18.2	0.62	17.5	310.9	5.11	26.1	0.02	3.6	574.7	7.74	15.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	026	1976	CHEV	MALI	305	027	1976	CHEV	CAMA	250	028	1976	CHEV	CHET	85
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	2.79	91.1	1077.3	6.31	7.2	4.48	179.5	853.8	4.71	7.7	8.94	167.1	469.2	2.42	11.7
2	2.12	65.5	359.0	0.35	18.9	1.12	49.7	266.3	0.11	25.5	0.93	17.3	189.4	0.70	40.4
3	7.51	270.8	1077.6	1.51	5.8	9.04	317.6	730.4	0.00	7.1	18.76	299.7	412.9	0.06	9.4
4	1.95	67.5	709.6	2.62	10.8	3.13	104.1	602.6	2.47	11.4	2.68	63.7	358.0	1.17	19.0
5	0.74	18.8	634.7	4.37	13.3	0.96	30.3	575.9	3.83	14.2	0.67	10.3	366.1	2.23	23.1
6	0.13	5.8	235.2	1.00	36.3	0.01	0.0	161.6	0.35	54.9	0.08	4.7	101.7	1.22	81.2
7	1.83	74.0	789.1	6.30	9.7	1.73	44.6	719.7	6.15	11.2	2.71	80.6	321.5	1.43	19.4
8	0.07	5.3	266.6	0.78	32.2	0.02	0.0	171.9	0.66	51.6	0.17	4.8	119.8	1.00	69.4
9	0.10	0.5	666.7	8.83	13.3	0.14	0.0	584.2	4.15	15.2	0.79	23.3	353.9	2.69	22.6
10	0.58	16.5	253.1	1.06	31.6	0.46	2.3	188.3	0.59	45.9	0.53	6.8	122.0	0.92	66.0
11	0.53	16.0	852.6	10.95	10.1	1.14	35.9	710.4	6.49	11.5	3.82	109.4	361.0	1.52	16.3
12	0.82	20.1	261.5	1.04	30.0	0.08	0.3	186.1	0.74	47.5	0.29	7.7	127.1	1.20	63.3
13	0.46	15.2	877.3	11.95	9.8	1.11	38.0	731.9	6.81	11.2	3.26	62.5	423.5	3.50	16.7
14	0.50	11.8	237.9	1.23	34.4	0.00	0.0	174.4	0.82	50.9	0.07	5.6	110.4	0.74	74.3
15	1.22	35.5	275.7	1.01	26.5	1.03	42.5	185.5	0.12	34.7	1.50	34.3	114.1	0.17	51.4
16	5.21	199.9	661.5	0.25	8.9	5.99	213.5	412.2	0.00	11.6	4.11	136.8	303.8	0.18	16.7
17	0.80	27.1	878.1	10.46	9.6	1.59	58.8	728.7	6.12	10.7	3.87	65.4	437.6	3.34	16.1
18	0.34	17.2	250.8	0.84	31.8	0.00	0.8	183.6	1.32	48.0	0.06	7.9	117.4	1.23	68.2
19	0.94	32.0	797.8	8.45	10.4	2.25	66.9	673.7	4.46	11.3	2.00	44.3	432.5	2.53	17.5
20	0.61	28.7	295.2	0.83	25.9	0.08	1.6	212.9	0.86	41.2	0.28	11.7	133.5	1.30	58.1
21	0.88	37.3	973.0	8.09	8.6	2.10	71.6	801.4	7.83	9.6	5.58	180.4	352.3	0.75	13.6
22	0.98	28.5	268.9	0.58	28.0	0.76	7.6	197.7	0.82	41.8	1.40	13.1	124.2	1.05	59.5
23	1.88	79.7	929.0	3.20	8.4	3.78	155.5	747.4	3.61	8.8	7.02	151.5	426.3	2.15	12.9
24	0.31	9.2	699.3	8.60	12.4	0.65	25.6	602.9	4.05	13.8	1.14	24.9	364.3	2.80	21.8
25	0.28	8.5	237.1	0.99	35.3	0.00	2.8	168.6	0.92	51.3	0.06	7.0	106.4	0.78	75.4
26	1.77	60.3	374.5	0.85	18.7	1.38	66.0	262.8	0.17	23.9	2.00	51.4	162.5	0.31	35.6
27	0.39	12.7	778.0	9.09	11.1	0.84	30.8	646.7	5.45	12.7	2.14	40.2	390.7	2.83	19.3
28	0.97	31.8	270.4	0.60	27.4	1.43	12.1	196.2	0.85	40.4	1.69	15.5	125.6	0.65	57.1
29	1.76	69.0	830.3	6.00	9.4	3.13	142.4	648.3	3.33	10.1	6.36	126.4	390.9	2.20	14.6
30	0.37	10.9	761.6	8.31	11.4	1.05	37.6	644.5	5.80	12.6	2.31	74.4	365.1	1.61	18.1
31	0.35	11.0	238.0	0.42	34.6	0.00	2.6	162.1	0.99	53.4	0.11	8.0	102.6	0.87	76.8
32	1.95	69.3	365.2	0.77	18.5	1.56	73.1	244.6	0.11	24.4	1.95	52.8	155.6	0.21	36.3
BAG ACT.	0.85	27.7	522.2	3.70	15.6	1.27	28.6	421.3	2.59	18.9	2.27	35.9	240.2	1.60	29.2
CALC.	0.78	27.3	514.4	3.84	15.9	1.18	28.1	419.6	2.70	19.0	2.15	41.8	244.4	1.59	28.0
33	0.81	31.3	82.7	0.07	66.0	0.69	29.4	53.2	0.01	87.4	1.09	25.0	25.4	0.01	130.3
34	10.12	346.5	1050.6	0.76	5.5	8.30	321.1	666.6	0.08	7.4	10.74	261.0	326.4	0.14	11.5
35	5.45	171.8	540.0	0.30	10.7	4.78	150.6	409.2	0.07	13.4	3.68	82.1	353.6	0.30	18.0
36	3.58	122.4	353.5	0.22	15.9	2.91	102.3	269.6	0.06	20.2	2.36	61.5	216.7	0.19	27.7
37	1.56	38.8	323.2	1.42	22.8	1.30	34.4	253.4	0.52	28.5	1.00	6.3	184.5	0.99	44.9
38	0.06	1.5	396.3	2.17	22.3	0.08	0.0	343.7	0.67	25.8	0.09	0.0	189.4	2.13	46.8
39	0.04	1.6	471.9	5.70	18.7	0.03	0.0	393.7	2.05	22.5	0.12	1.1	234.5	1.90	37.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	029	1976	DODG	DART	318	030	1976	DODG	DART	225	031	1976	FORD	MUST	140
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	2.42	8.4	1102.3	7.54	7.9	1.30	30.5	857.5	4.19	9.8	0.76	5.0	867.7	4.51	10.1
2	0.91	1.6	326.7	2.81	26.7	0.13	4.1	257.8	0.41	33.5	0.16	2.1	292.3	1.43	30.0
3	5.09	42.9	1242.0	4.97	6.7	0.27	9.0	853.4	0.43	10.2	0.40	5.5	947.2	0.81	9.3
4	1.45	6.5	750.8	3.86	11.6	0.59	8.3	529.3	1.39	16.3	0.43	2.7	587.9	2.39	15.0
5	0.66	3.3	628.9	5.31	14.0	0.53	8.0	500.0	2.55	17.3	0.47	2.4	529.3	4.88	16.6
6	0.28	0.3	213.0	0.64	41.4	0.09	2.9	169.6	0.43	50.5	0.12	1.3	193.9	0.78	45.2
7	0.59	1.2	850.2	12.37	10.4	1.40	47.6	604.1	7.12	13.0	1.58	82.5	645.6	4.01	11.4
8	0.17	0.5	247.7	1.96	35.6	0.13	3.7	191.6	1.00	44.9	0.12	1.8	208.0	2.13	42.0
9	0.38	0.3	660.9	7.78	13.4	0.42	9.7	517.1	4.14	16.6	0.46	10.7	559.8	4.72	15.4
10	0.96	0.7	240.0	1.18	36.4	0.13	4.4	186.0	0.72	45.9	0.07	1.6	190.2	1.44	46.0
11	0.75	7.6	840.2	9.53	10.4	0.69	12.4	680.4	9.67	12.6	0.83	48.0	687.7	3.56	11.6
12	0.95	1.2	252.0	1.36	34.5	0.14	7.3	202.7	0.80	41.4	0.06	1.1	240.9	1.80	36.6
13	0.68	6.7	852.4	9.92	10.3	0.47	9.2	706.1	8.61	12.3	0.68	42.0	727.1	4.07	11.2
14	0.51	0.3	231.4	1.33	38.0	0.10	3.5	175.7	0.72	48.9	0.06	0.8	186.2	1.45	47.3
15	0.17	0.0	224.5	2.49	39.4	0.07	5.9	183.5	0.63	46.0	0.12	0.9	225.2	1.41	39.1
16	3.43	53.4	604.8	0.98	12.7	0.20	15.8	448.2	0.12	18.7	0.12	2.8	576.1	0.44	15.3
17	1.12	9.1	841.9	8.07	10.3	0.67	14.8	695.9	5.16	12.3	0.48	2.2	703.6	7.44	12.5
18	0.56	0.4	225.6	0.56	38.9	0.09	2.2	183.8	0.40	47.3	0.09	1.1	190.3	0.67	46.1
19	1.19	10.9	777.3	7.22	11.1	0.57	9.9	640.9	4.28	13.5	0.54	3.9	683.9	4.99	12.8
20	1.38	0.5	259.1	0.55	33.6	0.13	2.8	211.2	0.31	41.1	0.06	2.6	221.1	0.69	39.4
21	0.91	7.6	952.5	13.16	9.2	0.83	18.8	786.6	11.57	10.8	1.44	94.3	748.9	3.89	9.8
22	1.21	2.0	253.3	1.15	34.1	0.16	2.0	196.5	0.69	44.4	0.06	0.7	207.2	1.37	42.6
23	1.80	25.9	920.6	6.48	9.2	0.75	19.4	747.7	3.24	11.4	0.52	1.3	763.6	4.05	11.6
24	0.38	0.6	678.8	8.62	13.0	0.39	5.1	549.3	5.46	15.9	0.51	19.7	587.8	4.53	14.3
25	0.32	0.6	216.8	1.32	40.6	0.11	2.9	175.4	0.80	49.2	0.07	0.8	190.3	1.70	46.3
26	0.39	2.5	322.1	3.36	27.1	0.12	5.1	265.9	0.55	32.4	0.15	1.4	317.2	1.80	27.8
27	0.66	5.4	744.2	8.52	11.8	0.46	7.6	609.9	6.03	14.2	0.35	5.3	634.4	5.20	13.8
28	1.22	2.8	268.9	1.24	32.0	0.14	3.2	202.4	0.57	42.7	0.06	1.1	210.2	1.37	41.9
29	1.53	20.3	837.8	5.47	10.1	0.54	11.6	661.0	2.85	13.0	0.45	2.8	691.7	3.55	12.7
30	0.42	1.2	745.8	9.55	11.8	0.58	10.8	593.8	6.81	14.5	0.67	19.6	648.6	4.96	13.0
31	0.17	0.6	223.2	1.49	39.5	0.11	2.6	178.9	0.92	48.4	0.08	1.4	199.6	1.81	43.9
32	0.75	4.1	347.5	1.66	24.9	0.11	4.2	253.4	0.59	34.1	0.13	3.0	291.3	1.58	29.9
BAG ACT.	0.86	3.9	512.2	4.54	17.0	0.30	4.9	387.8	3.11	22.4	0.38	13.7	415.3	2.62	20.3
CALC.	0.85	4.2	505.6	4.63	17.2	0.32	7.5	397.9	3.09	21.6	0.33	13.6	415.5	2.75	20.3
33	0.36	2.0	81.7	0.09	103.2	0.03	0.0	56.0	0.00	158.3	0.05	0.0	69.4	0.04	127.7
34	6.74	69.0	922.1	1.08	8.4	3.87	2.8	653.0	0.09	13.3	0.56	0.2	843.9	0.43	10.5
35	3.51	38.6	465.9	0.50	16.5	1.47	1.9	507.7	0.14	17.2	0.26	0.1	543.9	0.37	16.3
36	2.04	23.4	423.0	0.85	19.0	0.61	0.8	277.5	0.14	31.6	0.22	0.1	360.6	0.30	24.6
37	0.28	0.2	345.8	3.74	25.6	0.10	0.1	257.3	0.66	34.4	0.32	0.2	274.7	1.37	32.2
38	0.30	0.2	405.4	1.27	21.8	0.10	0.1	297.3	0.91	29.8	0.27	0.1	299.8	1.41	29.5
39	0.16	0.3	450.9	4.16	19.6	0.17	3.3	361.1	1.90	24.2	0.19	0.4	360.7	3.98	24.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	032	1976	FORD	LTD	400	033	1976	FORD	ELIT	351	034	1976	FORD	MAVE	250
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	6.88	219.7	1213.0	4.88	5.6	2.50	31.3	1314.6	5.86	6.5	0.50	0.7	938.5	7.61	9.4
2	0.41	2.4	509.9	0.40	17.2	0.44	9.8	486.7	0.82	17.6	0.12	0.5	345.3	3.61	25.6
3	1.22	74.8	1715.4	0.52	4.8	2.19	25.7	1366.5	3.65	6.3	0.16	0.9	984.3	7.40	9.0
4	0.57	20.3	962.9	3.57	8.9	1.51	13.1	844.9	4.25	10.2	0.24	0.4	601.9	3.32	14.7
5	0.46	2.2	776.5	4.09	11.4	1.20	9.5	746.9	4.13	11.6	0.31	0.4	575.2	5.06	15.4
6	0.12	0.7	296.7	0.73	29.8	0.58	4.3	291.5	1.12	29.6	0.13	0.2	256.2	0.41	34.5
7	2.04	161.6	862.6	1.90	7.9	1.37	27.5	949.5	7.30	8.9	0.46	1.6	776.4	7.69	11.4
8	0.14	1.1	352.0	1.37	25.1	0.60	5.6	327.1	1.76	26.3	0.10	0.2	284.3	1.38	31.2
9	1.04	86.5	755.0	2.10	9.9	0.98	13.7	766.2	4.85	11.2	0.26	0.4	602.0	4.49	14.7
10	0.32	1.0	330.7	0.86	26.6	0.59	5.4	307.3	1.20	27.9	0.12	0.2	254.4	0.94	34.8
11	2.37	232.8	891.2	0.98	7.0	1.12	30.0	1025.8	6.80	8.2	0.31	0.8	768.7	7.93	11.5
12	0.23	1.2	359.9	1.03	24.5	0.77	6.9	324.6	1.32	26.3	0.12	0.3	269.4	1.06	32.8
13	1.68	167.0	985.3	2.21	7.1	1.10	24.6	1075.5	7.06	7.9	0.29	0.7	790.8	8.25	11.2
14	0.20	1.2	317.2	0.91	27.8	0.55	5.8	292.7	1.29	29.2	0.10	0.2	246.0	1.00	36.0
15	0.08	1.8	367.1	0.20	24.0	0.20	7.7	341.5	0.76	25.1	0.06	0.3	276.4	3.81	32.0
16	0.36	44.0	1018.9	0.00	8.1	0.97	15.8	891.5	1.50	9.7	0.18	1.1	657.9	3.13	13.4
17	1.44	61.9	1044.5	4.34	7.7	1.42	15.3	1092.3	6.11	7.9	0.34	0.5	780.0	7.53	11.4
18	0.26	1.7	330.8	0.58	26.5	0.65	5.7	300.8	0.99	26.5	0.12	0.3	246.3	0.38	35.9
19	0.80	57.4	978.9	2.98	8.3	1.37	21.3	968.0	4.90	8.8	0.33	0.5	717.4	6.62	12.3
20	0.28	2.8	388.9	0.62	22.5	0.51	6.1	377.0	1.06	22.9	0.14	0.4	285.5	0.40	31.0
21	3.12	275.0	1016.9	1.39	6.1	1.33	41.0	1200.1	7.86	7.0	0.40	1.5	901.7	8.93	9.8
22	0.26	2.4	369.4	1.00	23.7	0.67	6.5	332.3	1.29	25.8	0.11	0.2	270.6	1.01	32.7
23	0.55	31.9	1215.2	4.21	7.0	1.67	14.7	1130.8	5.49	7.7	0.28	0.5	827.5	6.62	10.7
24	1.06	90.0	797.5	2.38	9.4	0.92	17.8	817.4	5.15	10.5	0.27	0.5	629.0	6.49	14.1
25	0.18	1.4	307.2	0.94	28.6	0.52	6.1	289.2	1.28	29.5	0.11	0.2	247.6	1.03	35.8
26	0.08	3.4	518.8	0.29	16.9	0.34	12.0	491.6	0.79	17.4	0.09	0.4	366.4	5.15	24.2
27	0.61	35.8	959.9	2.70	8.7	1.02	13.4	941.7	6.34	9.2	0.28	0.5	695.0	6.88	12.7
28	0.23	2.0	369.4	0.88	23.8	0.64	7.3	342.0	1.35	25.0	0.12	0.3	272.1	0.95	32.5
29	0.35	20.1	1147.1	5.08	7.5	1.62	16.2	1015.6	5.59	8.5	0.23	0.5	738.7	6.01	12.0
30	1.56	140.5	849.7	2.09	8.3	1.03	26.1	899.7	5.67	9.4	0.31	0.7	691.3	7.51	12.8
31	0.11	1.8	306.3	1.02	28.7	0.74	6.8	294.2	1.44	28.9	0.09	0.2	254.4	1.19	34.8
32	0.13	4.2	509.0	0.34	17.2	0.33	12.5	498.1	1.01	17.1	0.08	0.4	342.2	4.32	25.9
BAG ACT.	0.79	52.4	626.5	1.79	12.5	0.85	10.2	639.3	3.39	13.5	0.23	0.2	489.3	3.55	18.1
CALC.	0.71	46.9	631.2	1.70	12.5	0.82	12.8	622.7	3.44	13.8	0.19	0.4	488.0	3.82	18.1
33	1.36	45.7	74.5	0.02	58.9	0.17	0.3	114.0	0.17	77.1	0.02	0.0	80.0	0.67	110.9
34	16.33	536.4	913.5	0.27	4.9	2.01	3.3	1368.3	1.48	6.4	0.31	0.0	998.5	4.19	8.9
35	8.72	274.3	456.8	0.14	9.7	0.91	6.2	806.0	0.66	10.8	0.25	0.0	553.0	1.27	16.0
36	5.72	173.7	349.7	0.14	13.8	0.64	3.7	533.9	0.52	16.4	0.19	0.7	329.6	0.57	26.8
37	0.28	1.9	437.7	0.61	20.1	0.31	3.2	446.9	0.99	19.6	0.14	0.0	320.5	4.24	27.7
38	0.19	1.0	477.0	1.39	18.5	0.65	2.6	429.3	2.17	20.4	0.19	0.0	373.7	0.62	23.7
39	0.14	0.1	559.2	2.81	15.9	0.64	6.7	511.1	3.39	16.9	0.15	0.1	434.2	3.25	20.4

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	035	1976	FORD	GRAN	302	036	1976	FORD	STAN	351	037	1976	MERC	MARQ	400
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	6.51	148.9	855.1	9.28	8.0	0.82	5.3	1329.1	7.86	6.6	1.40	3.8	1495.7	8.55	5.9
2	0.11	0.0	422.8	0.65	21.0	0.13	1.6	376.4	1.09	23.4	0.81	2.5	550.7	0.99	15.9
3	1.53	72.4	1201.0	0.88	6.7	0.50	4.5	1381.2	5.21	6.4	0.87	6.1	1585.2	5.29	5.6
4	0.50	0.0	666.9	4.38	13.2	0.40	2.3	853.3	6.69	10.3	0.73	2.4	948.5	4.96	9.3
5	0.78	1.1	602.6	6.27	14.6	0.45	2.5	735.1	6.38	12.0	0.98	2.2	800.0	4.65	11.0
6	0.13	0.0	278.3	2.45	31.8	0.19	1.8	254.0	0.91	34.5	0.54	1.4	328.8	0.85	26.7
7	1.41	41.9	727.0	7.17	11.1	1.10	115.4	956.2	3.86	7.8	2.48	138.2	991.6	2.84	7.3
8	0.18	0.5	329.1	4.26	26.9	0.18	0.5	275.7	1.52	32.0	0.31	1.6	343.5	1.42	25.6
9	0.77	1.3	600.2	10.57	14.7	0.58	37.7	773.4	2.99	10.6	1.33	49.4	831.0	2.70	9.7
10	0.12	0.0	300.4	2.86	29.5	0.28	0.3	261.6	1.02	33.7	0.62	2.0	342.0	0.99	25.6
11	1.05	2.5	759.6	13.07	11.6	0.99	106.8	982.8	1.98	7.7	2.75	189.4	1027.8	1.76	6.7
12	0.13	0.0	327.6	3.22	27.1	0.27	0.0	267.0	1.02	33.1	0.53	2.8	371.5	1.15	23.5
13	1.09	6.7	817.8	13.41	10.7	0.70	57.9	1027.9	3.52	7.9	2.33	127.7	1079.7	2.86	6.9
14	0.13	0.3	296.7	3.05	29.8	0.23	0.0	255.9	1.11	34.6	0.50	2.1	328.5	1.04	26.6
15	0.15	0.0	324.3	1.32	27.3	0.07	0.0	281.7	1.07	31.5	0.26	3.6	414.8	0.88	21.1
16	0.22	1.8	840.1	0.01	10.5	0.09	0.0	730.0	0.59	12.2	0.33	12.3	1111.8	3.00	7.8
17	1.13	13.5	830.7	9.84	10.4	0.61	2.4	1042.3	6.77	8.5	1.09	6.7	1181.1	7.13	7.7
18	0.10	0.0	305.2	1.91	29.0	0.26	0.0	245.4	0.67	36.0	0.73	3.1	349.8	0.65	24.9
19	0.88	1.8	758.0	8.08	11.6	0.60	13.4	929.4	5.40	9.3	1.05	9.0	1052.3	5.82	8.3
20	0.11	0.0	348.2	1.95	25.5	0.28	0.0	300.7	0.77	29.4	0.53	3.9	432.4	0.91	20.2
21	1.57	66.4	887.7	8.87	8.9	1.41	160.4	1139.3	2.57	6.4	3.32	234.3	1193.3	2.63	5.6
22	0.10	0.8	323.9	2.69	27.3	0.24	0.0	282.2	1.02	31.4	0.49	3.2	382.7	1.09	22.8
23	0.89	14.8	940.5	7.93	9.2	0.47	0.0	1120.2	8.72	7.9	0.80	6.2	1256.0	7.79	7.0
24	0.79	2.7	644.2	9.42	13.6	0.59	37.1	802.4	3.66	10.3	1.61	62.6	856.6	3.49	9.2
25	0.12	0.9	298.0	3.07	29.6	0.26	0.0	248.0	1.14	35.7	0.47	2.6	319.6	1.10	27.3
26	0.11	1.7	421.9	1.11	20.9	0.10	0.0	389.5	1.13	22.8	0.55	6.9	591.0	1.03	14.7
27	0.95	7.3	740.5	10.30	11.8	0.48	21.1	905.7	4.11	9.4	1.02	22.1	1006.9	4.50	8.5
28	0.12	1.2	328.8	2.55	26.8	0.27	0.0	293.1	1.08	30.2	0.69	3.2	379.3	1.12	23.0
29	0.82	16.4	874.3	6.31	9.8	0.37	0.0	985.0	7.62	9.0	0.74	7.0	1147.0	6.89	7.6
30	0.91	4.0	695.9	10.01	12.6	0.81	71.5	867.3	2.97	9.0	2.19	118.3	925.9	2.52	7.9
31	0.15	1.2	318.3	3.57	27.7	0.20	0.0	251.3	1.26	35.2	0.33	2.7	327.6	1.15	26.7
32	0.14	0.8	417.5	1.14	21.2	0.09	0.0	364.7	0.87	24.3	0.37	6.7	566.5	1.01	15.3
BAG ACT.	0.66	7.6	529.3	5.95	16.3	0.42	21.0	596.1	2.72	14.1	0.92	32.9	680.4	2.57	12.1
CALC.	0.58	6.9	537.6	6.10	16.1	0.37	19.8	588.8	2.76	14.3	0.89	33.0	672.7	2.51	12.2
33	3.06	40.8	43.4	0.00	75.8	0.35	5.4	86.0	0.06	92.8	0.11	0.0	139.1	0.43	63.6
34	40.22	501.3	530.0	0.05	6.1	4.89	53.1	1070.8	0.58	7.6	1.46	0.2	1700.4	3.85	5.2
35	3.22	88.2	657.9	0.33	11.0	0.31	0.7	749.1	0.50	11.8	0.84	0.2	855.5	1.81	10.3
36	3.31	112.1	313.2	0.10	17.8	0.17	0.2	506.2	0.56	17.5	0.54	0.1	573.8	1.15	15.4
37	0.41	0.5	374.0	2.13	23.6	0.14	0.1	388.8	1.70	22.8	0.92	0.1	455.9	1.01	19.3
38	0.31	1.8	415.3	5.04	21.2	0.14	0.2	441.5	1.82	20.1	0.23	0.1	494.1	1.29	17.9
39	0.30	3.0	514.1	7.29	17.1	0.16	0.2	515.6	3.86	17.2	0.16	0.2	571.9	3.10	15.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	038	1976	MERC	MONA	250	039	1976	OLDS	CUTL	260	040	1976	OLDS	CUTL	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.52	2.2	1159.6	5.65	7.6	2.35	112.7	1120.7	3.78	6.8	3.49	60.3	1091.7	1.88	7.4
2	0.22	1.6	350.1	1.91	25.1	0.00	6.3	278.9	0.26	30.7	0.00	1.6	311.9	1.05	28.2
3	0.56	3.0	1150.6	4.36	7.7	0.00	11.6	1160.9	3.06	7.5	2.80	28.8	1266.6	1.07	6.7
4	0.37	1.2	698.4	3.00	12.7	0.31	15.4	713.6	1.53	12.0	0.44	16.1	773.4	0.72	11.1
5	0.38	1.1	641.9	4.47	13.8	1.04	45.7	578.5	1.79	13.6	0.91	15.8	627.5	1.80	13.5
6	0.18	0.7	210.2	0.20	41.9	0.00	2.8	213.8	1.69	40.7	0.01	1.1	233.5	0.41	37.7
7	0.54	15.3	911.3	4.29	9.5	2.74	155.7	700.3	3.10	9.3	2.90	125.1	725.1	2.63	9.5
8	0.12	0.3	255.6	0.73	34.6	0.00	2.5	216.6	1.68	40.2	0.07	1.1	296.4	1.08	29.8
9	0.31	0.8	709.5	5.04	12.5	1.41	79.0	594.7	4.05	12.3	0.62	27.9	658.6	2.09	12.6
10	0.16	0.0	261.6	0.60	33.9	0.00	3.5	200.0	1.28	43.2	0.15	2.0	250.0	0.65	35.0
11	0.26	1.6	932.2	6.81	9.5	2.56	156.3	690.6	3.67	9.4	1.29	64.6	842.4	4.00	9.4
12	0.15	0.4	276.3	0.63	32.0	0.00	4.1	223.8	1.56	38.5	0.13	2.4	267.3	0.72	32.7
13	0.23	1.4	963.6	6.82	9.2	2.27	126.3	734.6	4.48	9.4	1.60	64.7	880.7	4.17	9.0
14	0.13	0.3	253.4	0.66	34.9	0.00	3.2	209.2	1.56	41.4	0.03	1.2	251.5	0.75	35.0
15	0.16	1.2	271.2	1.91	32.4	0.00	6.6	213.2	0.40	39.7	0.00	1.8	243.5	1.43	36.0
16	0.44	1.7	686.9	0.74	12.8	0.00	19.5	541.9	0.07	15.5	0.00	7.0	624.3	0.12	14.0
17	0.37	1.4	950.6	5.75	9.3	2.27	104.6	828.6	3.28	8.9	2.44	58.4	889.9	2.97	9.0
18	0.19	1.3	234.1	0.22	37.5	0.00	5.6	209.5	1.47	40.7	0.00	1.7	242.4	0.37	36.2
19	0.47	1.3	890.7	6.87	9.9	1.56	61.0	754.0	3.38	10.4	0.84	36.1	835.8	2.54	9.9
20	0.22	1.6	264.3	0.23	33.2	0.00	7.1	255.4	1.63	33.3	0.05	3.3	272.5	0.35	31.9
21	0.59	71.6	1065.9	4.33	7.5	3.33	215.7	777.1	3.61	7.9	3.35	152.9	889.3	3.86	7.8
22	0.15	1.2	274.4	0.57	32.1	0.00	5.5	240.1	1.50	35.7	0.18	3.2	271.6	0.60	32.0
23	0.39	1.5	1013.4	4.30	8.7	0.83	50.2	999.4	3.53	8.2	1.48	35.9	991.5	1.81	8.4
24	0.30	1.5	730.3	5.42	12.1	1.84	101.9	617.8	3.23	11.3	1.13	40.5	677.2	2.95	11.9
25	0.13	0.6	250.2	0.63	35.3	0.00	4.2	215.5	1.71	40.0	0.01	1.7	250.7	0.80	35.0
26	0.24	1.7	368.2	2.29	23.9	0.00	9.5	318.1	0.70	28.7	0.00	4.3	328.4	1.15	26.5
27	0.29	1.1	831.9	5.78	10.6	1.77	82.6	694.9	4.27	10.7	1.79	56.0	781.4	3.27	10.1
28	0.18	0.8	280.5	0.60	31.4	0.00	4.8	241.6	1.44	35.6	0.27	3.6	277.8	0.57	31.2
29	0.34	1.5	896.0	3.48	9.9	0.48	28.8	849.1	3.69	9.9	2.04	33.5	901.3	1.96	9.2
30	0.44	20.1	777.9	4.39	10.9	2.42	153.9	635.5	2.71	10.0	1.85	74.0	726.5	3.55	10.5
31	0.11	0.6	251.2	0.70	35.2	0.00	4.0	183.3	1.46	46.8	0.02	1.8	239.9	0.60	36.6
32	0.25	0.8	350.0	1.82	25.2	0.00	10.7	292.4	0.45	28.7	0.00	5.8	323.1	1.54	26.7
BAG ACT.	0.23	3.6	555.9	2.83	15.8	0.74	44.3	460.8	2.65	16.7	0.93	29.1	529.9	1.91	15.3
CALC.	0.22	4.1	549.5	2.85	15.9	0.72	42.9	460.9	2.66	16.7	0.86	28.8	519.7	1.74	15.6
33	0.13	2.3	82.5	0.27	102.5	0.00	0.0	65.8	0.08	134.9	0.18	1.4	78.4	0.02	109.4
34	6.44	132.2	846.8	2.25	8.3	0.00	0.3	798.9	0.14	11.1	0.06	0.4	959.6	0.19	9.2
35	3.72	56.1	499.9	0.64	14.8	0.03	0.1	413.8	0.11	21.4	0.15	0.3	667.1	0.28	13.3
36	1.11	17.7	368.8	0.82	22.2	0.10	0.1	402.7	0.14	22.0	0.10	0.1	448.1	0.31	19.8
37	0.15	0.0	342.5	3.12	25.9	0.18	0.1	323.3	0.74	27.4	0.06	0.1	365.3	0.96	24.3
38	0.18	0.0	404.1	0.85	21.9	0.06	0.1	353.4	3.40	25.1	0.06	0.1	410.4	0.83	21.6
39	0.11	0.1	495.6	2.87	17.9	0.03	0.1	421.6	4.03	21.0	0.04	0.2	490.1	1.83	18.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	041	1976	OLDS	NNTY	455	042	1976	PLYM	VALI	225	043	1976	PLYM	FURY	318
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.81	25.0	1488.0	2.82	5.8	2.20	38.9	891.5	6.34	8.2	18.53	127.1	1057.5	13.93	6.7
2	0.13	0.7	355.4	0.55	24.9	0.12	0.0	230.6	0.70	38.4	3.59	24.9	319.2	0.79	24.0
3	0.48	2.5	1612.4	1.13	5.5	0.45	0.0	970.3	3.97	9.1	39.26	299.2	1067.6	0.58	5.3
4	0.44	19.6	1029.8	1.45	8.4	1.31	26.2	621.4	3.15	13.3	6.09	83.2	730.8	6.15	10.1
5	0.33	8.5	847.7	1.48	10.3	1.14	12.7	534.0	3.53	15.9	3.47	18.5	659.7	10.33	12.7
6	0.09	0.9	277.1	0.45	31.8	0.07	0.0	152.0	0.64	58.3	0.55	4.3	207.8	1.66	41.0
7	1.59	54.5	1032.1	5.31	7.9	2.70	92.1	642.4	6.88	11.2	3.59	11.2	661.4	15.9[illegible]	10.0
8	0.10	0.4	327.2	1.59	27.0	0.10	0.0	162.4	1.83	54.5	0.56	3.5	220.2	3.57	39.0
9	0.46	15.3	815.7	3.44	10.6	1.30	38.1	529.7	4.43	14.9	1.83	5.0	658.4	13.39	13.2
10	0.09	1.1	289.3	0.92	30.5	0.14	0.0	166.5	1.10	53.2	2.18	4.4	217.7	2.15	38.3
11	1.39	46.1	1090.8	6.38	7.6	2.22	86.2	637.7	6.10	11.4	3.95	25.6	846.3	17.66	9.9
12	0.33	2.4	295.7	1.22	29.5	0.22	0.0	170.9	1.38	51.7	1.25	5.3	226.0	2.80	37.3
13	1.48	50.2	1147.6	6.31	7.2	1.78	65.7	678.7	6.37	11.3	5.15	25.2	845.3	18.67	9.8
14	0.19	1.5	276.9	0.86	31.7	0.12	0.2	158.7	1.14	55.7	0.65	4.1	205.8	2.30	41.4
15	0.12	2.0	292.6	0.61	30.0	0.02	0.0	159.8	0.67	55.5	3.50	18.5	234.1	0.46	32.4
16	1.64	30.3	647.7	0.07	12.7	0.00	1.4	451.3	1.49	19.6	16.91	159.6	508.8	0.00	10.9
17	1.74	55.0	1176.0	4.53	7.0	1.98	48.7	707.7	4.92	11.2	7.50	44.7	863.3	16.65	9.3
18	0.19	1.9	266.7	0.17	32.6	0.13	0.0	159.5	0.68	55.5	0.61	5.3	211.4	1.43	40.1
19	1.42	44.3	1107.6	4.30	7.5	2.16	50.1	641.6	4.63	12.2	5.18	47.3	815.3	15.17	9.8
20	0.61	4.3	311.3	0.06	27.7	0.32	0.0	184.6	0.67	47.8	1.49	7.2	253.7	1.60	32.9
21	2.91	109.2	1211.4	6.59	6.4	2.84	117.5	745.2	7.92	9.5	5.93	35.2	970.1	18.41	8.5
22	0.73	4.5	292.1	0.73	29.4	0.27	0.3	173.6	0.97	50.7	2.81	5.7	236.5	2.49	34.9
23	2.60	63.7	1256.6	3.21	6.5	1.34	22.4	800.7	4.28	10.6	14.56	101.8	932.6	11.43	7.8
24	1.19	41.1	882.0	3.77	9.3	1.42	38.5	549.8	4.47	16.4	2.55	10.8	694.7	14.97	12.3
25	0.15	1.5	280.7	0.87	31.3	0.09	0.5	153.1	1.13	57.6	0.46	3.8	203.0	2.73	42.2
26	0.21	2.2	383.2	1.12	22.9	0.03	0.7	225.7	1.15	39.1	4.74	18.1	326.8	0.66	24.0
27	1.78	55.8	996.0	4.46	8.1	1.30	33.8	619.3	4.98	13.1	4.47	21.0	755.1	16.92	11.1
28	0.89	6.6	300.0	0.56	28.3	0.21	1.5	191.2	0.97	45.7	3.68	6.1	247.2	2.10	33.1
29	2.82	65.7	1126.1	2.82	7.2	1.35	25.4	693.6	4.10	12.0	13.60	85.0	843.2	8.46	8.7
30	1.57	51.5	933.2	4.61	8.7	2.23	83.3	586.6	5.09	14.2	2.86	14.1	764.1	15.56	11.2
31	0.14	2.0	278.3	0.93	31.5	0.09	1.4	156.2	1.16	[illegible]	0.52	4.4	197.7	3.27	43.0
32	0.56	5.7	373.6	0.68	23.1	0.07	2.3	217.2	0.95	[illegible]	3.81	20.2	324.6	0.64	24.1
BAG ACT.	0.84	22.4	672.3	2.67	12.5	0.79	21.7	397.9	3.00	20.4	4.12	14.5	498.3	7.42	16.6
CALC.	0.87	22.2	646.9	2.55	13.0	0.78	20.2	394.7	3.11	20.7	4.19	17.8	497.0	8.02	16.5
33	0.31	3.2	75.1	0.02	109.4	0.05	0.0	59.2	0.14	149.4	1.21	25.3	68.7	0.04	79.1
34	0.02	0.4	1036.9	0.37	8.6	3.41	3.6	700.8	1.50	18.4	15.90	303.2	814.4	0.42	6.6
35	0.01	0.2	855.9	0.69	10.4	1.66	2.9	513.2	0.92	17.0	8.69	155.4	407.2	0.21	13.1
36	0.00	0.3	570.6	0.63	15.5	1.07	1.3	297.0	1.19	29.3	3.86	93.6	375.7	0.36	16.6
37	0.01	0.1	473.6	0.52	18.7	0.53	0.3	278.2	1.06	31.7	2.53	18.6	343.3	2.67	23.3
38	0.02	0.1	514.8	0.94	17.2	0.18	0.0	302.7	1.46	29.3	0.74	1.3	383.9	5.16	22.9
39	0.02	0.2	573.0	3.18	15.5	0.18	0.7	360.5	3.47	24.5	0.91	1.7	450.0	7.30	19.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	044	1976	PONT	GRNP	350	045	1976	PONT	TRAN	400	046	1976	DATS	B210	85
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.03	29.0	1279.3	5.15	6.7	2.87	90.6	1182.7	5.26	6.7	2.59	16.6	507.1	1.23	16.4
2	0.04	2.5	432.8	0.63	20.3	1.33	30.5	339.4	0.41	22.7	0.44	4.9	199.5	0.70	42.6
3	0.23	7.5	1400.4	3.09	6.3	6.53	208.4	1134.0	2.14	6.0	1.75	10.5	596.2	0.21	14.4
4	0.18	4.1	835.4	2.18	10.5	2.41	65.2	758.6	4.24	10.2	0.94	8.8	398.9	0.92	21.4
5	0.18	3.6	727.0	2.73	12.1	0.43	5.4	735.8	4.56	11.9	0.87	5.1	343.3	1.77	25.1
6	0.05	2.2	245.5	0.45	35.6	0.06	1.1	219.3	1.12	40.1	0.52	2.5	132.8	1.60	64.2
7	1.12	28.5	905.7	9.26	9.3	1.59	72.2	910.8	5.65	8.6	1.93	37.8	383.2	2.93	21.7
8	0.06	1.9	257.0	1.64	34.1	0.09	0.5	224.5	1.24	39.3	0.57	3.2	145.6	2.87	58.2
9	0.65	18.8	720.0	4.77	11.8	0.11	1.8	809.0	6.79	10.9	1.26	10.7	333.5	4.75	25.0
10	0.07	2.7	263.0	1.05	33.2	1.06	9.5	226.0	0.91	38.3	0.57	1.7	133.5	1.94	64.4
11	1.37	45.9	891.9	6.75	9.2	0.59	21.4	978.9	7.30	8.7	2.35	53.2	384.2	3.14	18.7
12	0.07	3.6	287.1	1.34	30.3	1.50	11.8	232.9	1.09	34.6	0.53	2.4	145.0	2.63	59.0
13	1.33	46.3	954.6	7.32	8.6	0.47	13.7	999.3	8.32	8.7	1.93	36.4	412.2	4.30	18.7
14	0.06	3.2	252.4	1.28	34.4	0.66	5.8	230.3	1.03	36.7	0.47	2.3	136.2	2.23	62.8
15	0.00	6.5	296.3	0.62	29.0	0.73	20.2	261.4	0.75	30.0	0.50	2.3	133.5	0.63	64.0
16	0.00	19.3	829.9	0.10	10.3	4.58	150.6	620.3	0.12	10.2	1.17	14.0	355.1	0.50	23.3
17	0.74	33.9	986.2	5.70	8.5	1.05	38.3	985.4	5.79	8.5	2.37	24.9	425.8	3.56	18.8
18	0.04	4.8	276.4	0.49	31.2	1.06	17.6	222.2	0.84	35.1	0.52	2.6	136.6	1.54	62.4
19	0.20	9.4	952.6	4.44	9.2	1.32	41.7	923.5	5.39	8.9	1.17	13.9	419.4	2.75	19.9
20	0.05	6.6	323.1	0.50	26.6	1.48	21.7	271.4	0.55	28.6	0.54	3.3	148.0	1.60	57.3
21	1.65	55.6	1072.3	8.66	7.6	1.13	59.8	1089.9	5.86	7.5	2.73	56.9	403.6	3.19	17.7
22	0.07	5.2	289.9	1.14	29.7	1.52	17.9	257.2	0.92	30.6	0.59	4.0	142.0	2.25	59.1
23	0.12	11.6	1168.9	5.15	7.5	2.14	77.7	1017.3	4.88	7.7	1.97	18.5	508.9	2.02	16.3
24	0.68	26.0	753.5	4.52	11.1	0.39	14.4	789.7	6.27	10.9	1.07	11.5	364.0	3.66	23.0
25	0.06	3.8	243.4	1.21	35.6	0.58	6.7	229.6	0.96	36.7	0.45	2.0	135.1	2.41	63.5
26	0.00	12.0	419.9	0.59	20.2	1.35	41.4	341.7	0.79	21.6	0.59	1.7	156.4	0.67	54.5
27	0.92	39.7	834.9	5.47	9.9	0.70	23.4	870.5	6.61	9.8	1.53	13.4	395.0	4.84	21.1
28	0.06	6.1	299.4	1.05	28.7	1.74	24.5	254.1	0.52	29.8	0.65	1.6	139.1	2.03	61.8
29	0.09	10.8	1027.9	4.37	8.5	3.48	118.1	832.5	5.58	8.6	1.75	13.8	481.3	1.80	17.5
30	0.99	34.8	818.2	5.66	10.1	0.93	37.4	830.6	4.70	9.9	1.61	34.6	363.5	2.84	21.0
31	0.06	4.4	251.4	1.41	34.3	0.61	11.5	209.5	0.71	38.7	0.50	2.0	142.3	2.82	60.3
32	0.00	12.5	424.8	0.82	20.0	1.96	59.3	324.3	0.47	20.9	0.59	3.3	154.4	0.77	54.9
BAG ACT.	0.40	11.1	572.2	3.36	15.0	1.07	24.4	551.8	3.16	15.0	1.07	13.6	253.8	2.84	31.9
CALC.	0.37	15.0	565.0	3.30	15.0	1.03	25.3	547.6	3.30	15.0	1.08	13.1	262.0	2.89	31.0
33	0.02	0.0	114.4	0.20	77.5	0.63	16.3	82.7	0.03	80.4	0.16	0.8	29.9	0.01	281.4
34	0.57	0.0	1322.8	1.18	6.7	7.99	186.6	1011.5	0.37	6.7	1.52	13.7	505.2	0.21	16.7
35	0.48	0.0	686.5	0.37	12.9	4.40	106.0	505.8	0.20	12.9	0.53	6.0	479.5	0.47	18.1
36	0.28	0.0	440.9	0.25	20.1	2.62	46.7	419.3	0.21	17.7	0.40	5.1	310.0	0.32	27.8
37	0.09	0.0	355.9	0.87	24.9	0.26	0.4	382.7	1.45	23.1	0.40	2.3	222.2	0.71	39.1
38	0.14	0.0	414.1	1.35	21.4	0.03	0.0	411.4	2.61	21.6	0.72	2.4	196.0	2.09	43.9
39	0.09	0.0	473.8	3.78	18.7	0.03	0.1	490.1	4.36	18.1	0.80	3.4	240.6	4.83	35.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	047	1976	DATS	710	119	048	1976	TOYO	CORO	97	049	1976	TOYO	STAW	133
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	4.28	86.2	698.0	6.57	10.5	3.72	31.5	547.5	4.87	14.6	4.05	38.0	806.1	7.01	10.1
2	0.72	11.4	237.7	1.04	34.4	0.29	9.9	242.7	0.53	34.2	0.06	7.2	304.5	0.35	28.1
3	4.39	72.9	708.0	2.99	10.6	1.10	32.0	724.7	1.08	11.4	0.67	29.9	1002.4	2.24	7.8
4	2.07	34.0	541.3	3.97	14.8	0.95	13.8	396.1	2.54	21.1	0.43	11.7	601.0	3.10	14.3
5	1.77	20.5	484.9	6.79	17.0	1.30	8.1	338.6	4.26	25.0	0.59	7.6	508.0	4.69	17.0
6	0.33	7.2	211.0	0.94	39.8	0.14	5.4	151.3	1.16	55.4	0.24	4.8	188.0	2.08	45.2
7	3.32	85.5	630.8	9.44	11.4	0.92	38.6	427.9	4.10	18.1	2.38	56.6	477.9	6.43	15.4
8	0.21	7.4	218.9	1.76	38.4	0.22	4.8	160.2	2.41	52.7	0.29	4.7	212.1	3.87	40.3
9	1.27	31.0	490.2	7.30	16.3	0.60	6.3	370.6	5.99	23.2	1.04	14.1	457.0	8.42	18.4
10	0.18	8.1	225.7	1.55	37.1	0.35	5.8	148.6	1.50	56.9	0.21	4.3	197.1	2.46	43.4
11	2.27	63.2	593.2	8.45	12.7	1.57	26.6	452.8	5.20	17.8	2.14	25.9	570.2	9.14	14.4
12	0.16	8.1	211.6	1.17	39.5	0.50	7.3	156.4	1.79	51.7	0.27	4.4	202.5	2.71	42.2
13	1.70	32.1	601.7	9.92	13.5	1.68	19.4	492.1	6.32	16.8	1.55	19.5	620.8	9.62	13.5
14	0.15	7.0	219.6	1.55	38.4	0.39	5.9	142.0	1.59	58.2	0.18	3.4	193.2	2.68	44.6
15	0.29	10.0	183.5	0.71	44.4	0.08	12.5	174.7	0.30	46.6	0.11	15.8	221.3	0.42	36.0
16	2.37	56.2	430.2	0.62	16.9	0.06	31.9	440.1	0.25	18.1	0.02	20.7	492.3	0.00	16.9
17	2.05	30.2	602.5	7.92	13.5	2.04	21.7	474.9	7.41	17.2	1.59	18.0	634.5	8.29	13.3
18	0.25	9.1	206.0	0.80	40.1	0.19	9.3	146.1	0.81	55.0	0.23	6.0	188.6	1.57	44.7
19	1.86	28.9	605.8	7.93	13.5	1.58	17.7	447.2	6.37	18.5	0.86	12.9	597.6	6.83	14.3
20	0.25	11.0	209.2	0.63	39.1	0.21	12.9	175.5	0.91	45.2	0.22	7.8	217.3	1.68	38.6
21	2.91	79.7	629.1	8.94	11.6	2.25	50.5	503.0	4.22	15.1	4.60	100.9	581.4	6.02	11.8
22	0.20	9.7	229.4	1.34	36.2	0.57	10.2	156.8	1.58	50.8	0.49	5.8	202.3	2.48	41.8
23	2.71	45.2	624.8	6.17	12.6	2.10	38.6	552.9	5.20	14.3	1.43	23.1	787.2	5.19	10.7
24	1.51	28.7	488.2	7.79	16.5	0.78	12.0	387.2	6.31	21.7	0.63	10.0	503.8	7.04	17.0
25	0.14	6.9	184.2	0.94	45.4	0.44	7.9	140.9	1.70	57.4	0.24	4.3	183.9	2.72	46.4
26	0.53	17.9	256.9	1.15	31.0	0.10	22.5	226.2	0.37	33.9	0.10	20.4	290.5	0.30	27.5
27	1.41	18.5	540.6	8.72	15.5	1.27	15.7	420.1	7.00	19.8	0.93	13.3	553.9	8.27	15.4
28	0.22	9.7	232.4	1.43	35.8	0.37	10.6	156.8	1.38	50.8	0.15	6.4	206.7	2.11	40.9
29	2.36	42.7	574.8	5.01	13.7	1.38	35.3	515.8	4.69	15.4	0.72	21.5	725.0	3.82	11.7
30	2.26	60.5	538.1	7.80	13.9	0.67	17.5	428.5	5.55	19.4	1.75	36.2	519.4	6.20	15.3
31	0.15	6.7	184.4	0.93	45.4	0.53	8.6	135.2	1.82	59.0	0.18	5.2	189.7	2.96	44.7
32	0.47	17.4	259.2	0.94	30.8	0.08	19.4	220.6	0.30	35.3	0.03	16.5	286.1	0.18	28.4
BAG ACT.	0.96	19.9	379.5	4.09	21.4	0.78	10.4	286.1	3.37	29.1	0.84	13.8	381.9	4.91	21.8
CALC.	0.97	22.0	382.8	4.26	21.1	0.71	14.9	295.3	3.53	27.7	0.78	15.3	384.1	5.11	21.6
33	0.42	6.7	57.6	0.12	127.6	0.06	2.3	51.1	0.02	161.7	0.02	1.5	54.5	0.01	155.9
34	4.93	68.1	681.9	1.54	11.0	1.03	35.9	547.9	0.20	14.6	0.54	37.5	682.2	0.19	11.9
35	1.39	23.9	503.3	0.83	16.3	0.24	13.7	553.4	0.39	15.4	0.29	15.4	651.4	0.71	13.1
36	1.41	20.1	335.5	0.98	23.9	0.20	10.3	339.3	0.24	24.9	0.23	11.1	434.3	0.53	19.6
37	0.96	6.8	260.9	2.27	32.3	0.21	7.4	239.8	0.71	35.2	0.08	5.7	352.3	0.89	24.6
38	0.68	7.4	307.7	2.42	27.6	0.23	5.4	218.1	1.78	39.0	0.62	4.3	271.4	4.18	31.7
39	0.65	8.0	354.9	6.21	24.0	0.31	4.7	262.8	4.51	32.7	0.48	3.6	341.1	8.29	25.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

	VHE	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	050	1976	VOLK	RABB	97	051	1976	VOLK	RABB	97
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.26	2.2	613.9	3.96	14.4	2.17	18.3	569.6	1.23	14.7
2	0.02	0.0	269.4	1.27	32.9	0.43	0.0	247.7	0.63	35.6
3	0.06	0.0	801.7	1.92	11.1	1.83	1.5	823.5	1.16	10.7
4	0.12	0.1	413.0	3.01	21.5	0.73	1.8	411.0	1.55	21.3
5	0.17	0.5	380.8	3.61	23.2	0.44	4.7	372.5	2.01	23.3
6	0.02	0.0	177.4	1.35	50.0	0.12	1.4	154.7	0.76	56.4
7	0.70	64.2	454.5	2.59	15.9	0.97	40.7	412.9	0.89	18.5
8	0.04	0.2	188.2	2.01	47.1	0.10	0.0	176.0	1.09	50.3
9	0.15	0.5	394.9	5.35	22.4	0.31	0.5	373.1	4.02	23.7
10	0.02	0.1	177.0	1.24	50.1	0.12	0.0	163.0	0.74	54.3
11	0.24	7.2	480.7	5.14	18.0	0.57	14.4	440.6	3.43	18.8
12	0.04	0.1	192.1	1.37	46.2	0.13	0.8	168.2	0.86	52.3
13	0.16	5.5	500.6	6.09	17.4	0.52	16.7	474.0	3.79	17.7
14	0.02	0.0	171.1	1.30	51.8	0.10	0.6	154.6	0.85	57.0
15	0.02	0.0	202.2	1.67	43.9	0.12	1.8	184.5	0.79	47.3
16	0.07	0.0	540.1	1.49	16.4	0.65	7.0	487.5	0.72	17.7
17	0.19	0.4	500.2	4.16	17.7	0.75	17.3	475.4	2.84	17.6
18	0.02	0.0	183.7	1.11	48.3	0.11	2.2	158.1	0.62	54.8
19	0.17	1.0	474.9	4.33	18.6	0.62	9.9	453.4	2.77	18.8
20	0.02	0.0	219.0	1.13	40.5	0.16	3.3	192.5	0.66	44.8
21	0.32	20.1	547.9	4.42	15.3	1.37	57.8	493.3	1.32	15.1
22	0.02	0.0	190.4	1.40	46.6	0.11	2.8	179.7	0.91	48.1
23	0.14	0.1	580.9	3.44	15.3	0.54	9.3	569.4	1.70	15.2
24	0.14	0.3	416.2	5.35	21.3	0.33	3.6	396.9	4.17	22.0
25	0.03	0.0	173.0	1.39	51.3	0.11	2.6	154.4	0.86	55.9
26	0.02	0.0	281.0	2.05	31.6	0.19	6.9	261.4	0.84	32.5
27	0.15	0.6	458.8	4.91	19.3	0.44	9.4	428.4	3.72	20.0
28	0.02	0.0	197.7	1.20	44.9	0.13	3.6	181.1	0.74	47.4
29	0.15	0.1	537.8	3.38	16.5	0.60	14.7	529.2	1.42	16.0
30	0.19	0.6	454.1	5.66	19.5	0.64	33.6	427.3	1.79	18.4
31	0.03	0.0	167.6	1.53	52.9	0.10	3.2	160.9	0.98	53.4
32	0.03	0.0	265.2	1.71	33.5	0.16	10.0	251.9	0.70	33.1
BAG ACT.	0.10	2.5	327.7	3.00	26.7	0.32	6.4	315.0	1.86	27.2
CALC.	0.10	2.6	330.2	3.08	26.5	0.33	7.7	309.3	1.87	27.5
33	0.00	0.0	70.8	0.06	125.3	0.37	0.0	58.2	0.04	149.4
34	0.05	0.0	859.5	0.97	10.3	4.27	0.4	715.5	0.43	12.2
35	0.16	0.1	487.3	1.06	18.2	2.06	0.0	462.9	0.70	18.9
36	0.07	0.0	318.5	0.64	27.9	1.65	0.1	296.8	0.48	29.4
37	0.03	0.0	258.4	1.56	34.3	0.11	0.4	247.0	0.94	35.8
38	0.03	0.1	254.6	2.16	34.8	0.10	0.4	234.2	1.38	37.7
39	0.03	0.1	305.4	3.46	29.0	0.07	0.5	288.1	2.01	30.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	001	1976	CHEV	C10	350	002	1976	CHEV	C10	350	003	1976	CHEV	C10	250
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.18	7.1	1233.9	16.11	7.1	5.30	145.9	1104.8	15.58	6.6	17.36	174.6	960.1	6.50	6.9
2	0.50	1.2	438.1	0.76	20.1	2.94	86.8	353.9	0.64	17.8	1.83	30.6	234.9	0.00	30.7
3	1.18	3.1	1385.4	2.76	6.4	9.03	345.8	1022.7	0.80	5.6	12.70	215.1	1090.7	2.48	6.0
4	0.58	5.1	862.2	8.27	10.2	4.14	109.6	760.2	6.56	9.4	4.46	84.6	605.7	4.35	12.3
5	0.58	5.8	725.8	10.48	12.0	1.60	35.2	743.3	11.78	11.0	1.22	23.1	546.9	6.24	15.1
6	0.23	0.5	272.9	1.87	32.3	0.44	12.9	271.5	1.05	30.3	0.17	4.5	177.4	1.22	48.0
7	1.01	20.5	965.2	15.23	8.9	2.37	46.7	949.4	17.35	8.6	2.98	101.0	705.6	5.72	10.2
8	0.19	0.8	281.0	3.45	31.4	0.33	8.0	285.0	3.62	29.7	0.01	1.9	205.3	2.70	42.6
9	0.42	2.7	744.2	13.89	11.8	0.66	4.6	789.6	16.39	11.1	0.53	12.3	601.4	8.86	14.3
10	1.19	1.1	281.9	2.33	30.9	2.20	19.9	281.7	2.31	27.7	0.98	4.0	196.9	1.76	43.0
11	0.50	3.5	945.5	17.45	9.3	1.59	27.7	947.5	20.13	8.9	4.39	124.3	662.3	5.90	10.2
12	1.34	1.4	306.9	2.90	28.3	2.52	20.7	292.4	2.76	26.7	0.73	3.6	210.3	2.34	40.7
13	0.55	3.2	982.1	19.52	9.0	1.48	29.8	978.4	20.78	8.6	3.26	105.7	722.1	7.86	9.9
14	0.68	1.0	279.6	2.73	31.3	1.59	15.8	275.6	2.79	29.1	0.20	3.4	183.5	1.97	46.8
15	0.21	0.8	329.0	0.82	26.8	1.69	60.2	263.5	0.92	24.4	0.80	17.5	186.2	0.10	41.0
16	0.34	1.0	838.0	0.77	10.6	7.10	235.2	655.0	0.00	8.5	3.53	101.2	451.8	0.00	13.8
17	0.68	5.7	985.3	18.20	8.9	2.12	47.0	975.1	16.96	8.4	7.45	162.8	680.3	4.70	9.2
18	0.78	1.1	291.1	1.72	30.1	1.74	22.8	269.4	0.60	28.6	0.49	10.9	181.0	1.19	44.5
19	0.56	3.6	913.6	15.67	9.6	2.26	46.0	901.8	15.63	9.0	4.06	118.8	664.0	4.56	10.3
20	1.24	1.1	329.9	1.82	26.5	2.09	34.7	309.5	0.65	25.8	1.24	12.8	235.6	1.31	34.2
21	0.75	16.3	1099.2	19.80	7.9	2.60	68.2	1054.3	19.93	7.6	7.27	151.1	748.7	6.39	8.8
22	1.05	1.2	308.2	2.60	28.3	2.70	25.3	298.5	2.68	25.6	1.52	7.8	220.9	2.05	37.3
23	0.80	9.9	1091.7	13.84	8.0	3.83	111.4	1030.4	12.77	7.3	7.69	123.5	800.4	5.78	8.7
24	0.45	3.3	796.6	16.03	11.1	1.06	19.0	804.4	17.33	10.6	0.95	24.0	606.7	6.72	13.7
25	0.67	1.0	256.7	2.69	34.1	1.35	14.0	262.5	2.65	30.7	0.01	2.3	174.1	2.10	49.9
26	0.47	0.8	417.9	0.81	21.1	2.90	94.8	378.7	1.00	18.5	0.97	25.4	235.7	0.09	31.8
27	0.51	2.7	858.5	17.29	10.3	1.38	26.1	878.2	18.64	9.6	2.72	63.6	657.6	8.42	11.6
28	0.93	1.3	314.7	2.45	27.8	2.67	29.2	306.6	2.52	24.6	1.70	7.8	203.9	1.72	40.1
29	0.65	5.6	996.2	12.01	8.8	3.51	104.1	913.1	9.17	8.2	5.98	100.4	706.2	5.49	10.1
30	0.53	5.5	856.8	16.85	10.2	1.22	19.8	881.4	20.13	9.7	2.39	79.9	635.2	5.61	11.6
31	0.53	1.1	260.2	3.22	33.7	0.92	13.0	258.7	2.02	31.5	0.01	2.3	177.5	2.30	49.0
32	0.37	1.1	442.4	0.98	19.9	2.93	88.3	359.9	0.82	17.5	1.13	28.0	229.9	0.15	32.0
BAG ACT.	0.67	3.1	590.1	7.59	14.9	1.95	38.2	588.6	7.66	13.6	2.48	41.3	420.0	4.02	18.0
CALC.	0.67	3.0	590.5	8.38	14.9	1.96	37.4	588.6	8.65	13.6	2.30	41.1	426.5	4.25	17.8
33	0.10	0.1	104.6	0.11	84.5	0.85	29.7	72.3	0.04	73.0	1.08	14.1	49.5	0.00	118.3
34	1.52	1.7	1280.5	1.06	6.9	11.76	345.3	897.5	0.46	6.0	7.80	163.4	599.4	0.08	10.1
35	0.86	1.6	813.9	0.53	10.8	6.00	167.1	469.8	0.28	11.8	3.92	60.1	591.7	0.25	12.7
36	0.57	1.1	520.9	0.37	16.9	4.57	134.6	399.0	0.28	14.2	2.47	43.8	365.5	0.17	20.1
37	0.47	3.6	390.2	1.01	22.3	2.17	70.1	363.0	1.25	18.5	1.15	11.2	258.6	0.41	31.7
38	0.16	1.0	434.0	3.23	20.3	0.23	5.9	473.2	2.25	18.4	0.53	4.2	310.3	2.27	27.9
39	0.26	0.1	102.7	0.02	85.6	0.19	1.7	554.9	7.94	15.9	0.08	0.1	400.3	5.57	22.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH C04	YEAR 1976	MAKE CHEV	MODL C10	CID 350	VEH 005	YEAR 1976	MAKE DODG	MODL D100	CID 318	VEH 006	YEAR 1976	MAKE DODG	MODL VAN	CID 360
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	17.09	242.2	1015.0	5.80	6.1	1.84	25.9	1167.3	4.83	7.3	13.79	224.1	1047.2	16.39	6.2
2	6.24	91.4	343.6	0.36	17.5	0.23	1.1	465.1	1.09	19.0	7.29	169.3	336.7	0.00	14.2
3	26.99	444.2	1070.5	1.66	4.8	0.67	8.9	1374.8	1.34	6.4	21.73	524.8	922.6	0.01	4.9
4	5.38	116.0	707.7	3.20	9.8	0.46	8.9	784.6	3.04	11.1	5.75	156.1	696.9	7.66	9.2
5	1.19	28.9	648.5	5.43	12.7	0.28	0.7	648.1	7.10	13.7	3.02	56.6	662.6	12.54	11.7
6	0.23	1.7	258.4	0.89	33.9	0.10	0.2	279.3	2.56	31.7	2.36	32.5	248.5	2.61	28.9
7	1.52	30.6	869.2	8.85	9.6	0.45	1.1	876.8	9.84	10.1	2.67	45.5	881.3	15.48	9.2
8	0.08	0.7	280.6	2.21	31.5	0.06	0.1	297.6	1.67	29.8	0.80	10.8	274.3	4.92	30.2
9	0.25	1.0	714.8	8.42	12.4	0.18	0.2	686.9	7.00	12.9	1.85	15.6	710.5	16.23	12.0
10	4.82	12.8	266.6	1.46	29.4	0.22	0.7	304.9	1.64	28.9	6.31	36.7	258.7	3.51	26.4
11	3.15	90.8	792.4	8.41	9.4	0.75	7.8	901.6	7.43	9.7	2.67	43.4	884.8	16.63	9.2
12	5.36	10.3	289.0	1.77	27.5	0.21	0.2	335.7	1.81	26.4	7.92	35.3	274.7	3.96	25.0
13	3.84	84.8	823.1	9.45	9.2	0.31	1.6	961.7	8.06	9.2	3.13	83.1	914.6	19.37	8.9
14	2.45	6.1	263.5	1.55	31.6	0.15	0.2	290.1	1.86	30.5	4.58	27.3	251.8	3.60	28.7
15	2.26	53.4	273.7	0.43	24.3	0.06	0.7	364.6	1.00	24.3	4.27	123.1	260.0	0.11	19.0
16	9.31	279.6	639.2	0.38	8.0	0.10	1.0	942.1	0.27	9.4	16.42	421.2	592.1	0.00	6.8
17	9.07	194.4	796.7	5.83	7.8	0.70	10.5	954.4	5.02	9.1	4.83	68.7	926.4	19.31	8.5
18	4.21	14.5	257.2	0.83	30.3	0.17	0.2	309.3	2.11	28.6	5.32	59.6	235.2	1.54	25.7
19	3.69	90.0	781.3	5.68	9.5	0.38	5.0	858.8	6.07	10.2	4.70	73.4	825.9	16.65	9.3
20	7.04	25.0	306.9	0.77	24.0	0.43	0.8	376.7	2.03	23.4	7.51	82.9	274.9	1.63	20.7
21	6.88	176.9	917.4	8.62	7.3	0.61	5.3	1057.6	10.04	8.3	3.44	58.6	1047.3	17.20	7.7
22	6.06	18.4	288.7	1.56	26.3	0.18	0.2	335.3	1.51	26.4	7.13	49.4	276.1	3.48	23.6
23	12.26	228.0	861.7	4.63	7.1	0.51	8.4	1063.0	5.05	8.2	8.67	163.3	950.7	16.58	7.2
24	0.60	13.2	713.5	8.76	12.1	0.26	1.1	727.3	7.52	12.2	2.05	31.0	732.6	15.99	11.3
25	1.78	4.9	257.8	1.82	32.7	0.13	0.2	280.4	1.89	31.6	4.01	22.2	243.7	3.79	30.5
26	3.95	82.5	383.8	0.69	16.9	0.09	0.4	498.4	1.38	17.8	6.64	175.7	338.5	0.00	14.0
27	2.68	54.7	772.0	9.01	10.2	0.29	2.2	843.7	6.17	10.5	2.79	38.2	825.5	17.98	9.9
28	6.14	24.3	291.9	1.59	25.4	0.18	0.2	348.6	1.75	25.4	6.97	95.1	266.4	3.16	23.7
29	9.46	151.9	842.9	5.63	8.0	0.36	5.7	968.5	4.64	9.1	8.30	164.6	842.0	11.02	7.3
30	0.66	17.3	788.1	9.03	10.9	0.30	1.3	815.4	8.99	10.8	2.30	37.8	795.7	15.22	10.3
31	0.76	3.9	252.6	1.85	34.0	0.12	0.2	287.9	1.83	30.8	3.25	18.7	249.4	4.24	30.7
32	5.58	95.4	349.4	0.49	17.2	0.09	0.4	482.7	0.92	18.4	7.52	180.2	339.4	0.16	13.7
BAG ACT.	4.00	53.9	530.7	4.22	14.1	0.24	1.9	581.9	3.52	15.2	4.31	61.5	531.4	8.07	13.8
CALC.	3.87	49.3	527.8	4.47	14.4	0.25	1.9	594.3	3.93	14.8	4.45	60.3	535.0	8.95	13.6
33	2.95	42.5	63.0	0.01	63.8	0.28	3.6	114.8	0.10	73.2	3.36	54.9	69.9	0.02	53.2
34	26.77	571.2	721.1	0.10	5.2	0.68	1.2	1377.5	0.94	6.4	34.57	652.8	850.2	0.29	4.5
35	8.48	240.9	641.4	0.38	8.5	0.22	0.0	675.9	0.49	13.1	9.33	370.2	608.9	0.31	7.3
36	5.39	172.1	396.3	0.22	13.0	0.16	0.0	594.5	0.53	14.9	6.20	241.7	385.2	0.18	11.3
37	1.78	51.4	315.8	0.45	22.1	0.14	0.0	363.2	2.33	24.4	2.94	108.9	286.4	0.29	19.0
38	0.03	0.4	432.0	1.46	20.5	0.08	0.0	409.6	4.23	21.7	1.88	32.7	381.0	4.16	20.2
39	0.03	0.0	508.5	4.29	17.5	0.08	0.1	502.7	4.55	17.6	0.42	1.0	504.8	10.12	17.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH 007	YEAR 1976	MAKE FORD	MODL F100	CID 300	VEH 008	YEAR 1976	MAKE FORD	MODL F100	CID 300	VEH 009	YEAR 1976	MAKE FORD	MODL E100	CID 300
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.63	0.6	1058.9	9.50	8.4	10.14	86.3	983.8	10.82	7.7	3.07	43.6	1016.0	7.61	8.1
2	0.04	0.2	353.6	1.08	25.1	1.10	17.5	324.0	0.95	25.0	0.58	1.3	273.2	0.46	32.0
3	0.70	0.7	1212.3	5.85	7.3	6.65	158.6	1101.7	2.21	6.5	1.06	0.4	1206.6	3.06	7.3
4	0.26	0.3	695.7	7.78	12.7	2.42	27.4	657.1	6.61	12.5	0.61	1.2	660.2	2.97	13.4
5	0.30	0.4	607.9	5.93	14.6	0.41	2.0	566.2	10.21	15.6	0.42	2.2	593.6	2.86	14.8
6	0.13	0.2	229.2	1.08	38.8	0.11	1.2	211.7	2.57	41.5	0.37	0.1	247.5	0.31	35.7
7	0.39	4.3	845.3	14.26	10.4	2.16	75.6	695.6	7.81	10.8	0.63	9.5	825.3	5.45	10.5
8	0.20	0.4	275.6	0.79	32.0	0.11	1.7	219.4	2.05	39.9	0.39	0.2	283.0	0.85	31.2
9	0.27	0.8	650.1	6.17	13.6	0.75	19.9	597.3	6.77	14.1	0.44	2.7	677.3	3.21	13.0
10	0.25	0.4	238.6	0.52	37.0	1.53	2.8	236.2	1.50	35.9	0.70	0.1	246.7	0.51	35.6
11	0.38	2.3	825.3	12.93	10.7	2.65	80.1	677.7	6.25	10.9	0.69	19.6	830.8	4.23	10.3
12	0.28	0.4	257.8	0.62	34.2	1.77	3.7	241.3	1.53	35.1	0.83	0.3	251.1	0.61	34.9
13	0.35	1.6	857.6	11.80	10.3	2.62	64.3	735.7	7.60	10.5	0.69	11.5	892.6	5.08	9.7
14	0.26	0.4	241.2	0.64	36.6	0.96	1.6	208.5	1.42	41.9	0.61	0.1	241.3	0.55	36.5
15	0.07	0.1	270.0	0.82	32.8	0.38	3.1	253.0	0.82	34.3	0.16	0.0	246.8	0.63	35.9
16	0.19	0.2	718.1	0.38	12.3	0.81	10.9	772.3	1.40	11.2	0.21	0.0	572.3	0.34	15.5
17	0.48	1.0	887.0	9.50	10.0	3.04	61.8	753.0	8.97	10.3	1.07	29.2	843.9	2.94	9.9
18	0.13	0.2	231.0	1.05	38.3	1.08	3.5	233.5	2.10	36.6	0.66	0.1	220.4	0.18	39.9
19	0.41	0.6	789.6	10.22	11.2	2.30	51.0	674.3	7.14	11.7	0.74	11.2	783.3	3.10	11.0
20	0.17	0.2	271.8	1.25	32.5	2.38	8.1	241.4	1.97	33.9	0.72	0.1	243.8	0.15	36.0
21	0.47	6.3	993.5	12.76	8.8	5.00	104.1	721.7	7.59	9.8	1.18	31.9	946.2	5.46	8.9
22	0.27	0.4	254.3	0.62	34.7	1.77	5.9	244.2	1.62	34.3	0.72	0.2	260.4	0.64	33.7
23	0.47	0.7	945.8	8.35	9.4	4.68	70.4	830.2	8.79	9.3	0.85	9.8	920.0	3.88	9.5
24	0.29	0.7	672.7	8.51	13.2	0.57	4.8	616.9	8.70	14.2	0.46	2.9	683.8	3.14	12.9
25	0.27	0.4	233.3	0.70	37.8	0.54	1.8	215.4	1.73	40.4	0.61	0.2	262.4	0.65	33.5
26	0.07	0.3	343.4	0.94	25.8	0.43	6.9	331.5	1.12	25.8	0.22	0.0	319.5	0.85	27.7
27	0.35	0.9	754.1	8.69	11.7	1.56	26.1	670.5	8.63	12.4	0.60	4.0	768.8	3.65	11.4
28	0.24	0.4	268.5	0.68	32.9	1.85	7.5	241.0	1.41	34.3	0.71	0.1	265.1	0.52	33.2
29	0.41	0.6	827.5	8.89	10.7	3.81	63.8	748.4	8.40	10.3	0.79	8.8	849.5	2.52	10.3
30	0.35	2.5	750.6	11.42	11.7	1.56	50.0	645.1	7.72	12.2	0.53	4.5	744.9	4.01	11.8
31	0.25	0.5	234.0	0.83	37.7	0.20	2.1	217.0	1.86	40.2	0.55	0.2	259.7	0.74	33.9
32	0.06	0.3	347.2	0.85	25.5	0.79	14.6	314.1	0.91	26.1	0.33	0.0	290.1	0.47	30.5
BAG ACT.	0.25	0.8	513.0	3.97	17.2	1.68	24.0	462.0	4.19	17.6	0.55	5.2	517.3	2.01	16.8
CALC.	0.26	0.9	513.0	4.40	17.2	1.69	25.1	459.8	4.39	17.6	0.54	5.0	519.0	2.08	16.8
33	0.74	25.2	52.9	0.01	93.5	0.68	14.9	73.8	0.03	89.3	0.05	0.0	49.9	0.03	177.4
34	10.66	325.1	617.7	0.18	7.6	5.89	184.4	832.1	0.50	7.8	0.45	0.4	1059.0	0.28	8.4
35	3.97	109.3	505.6	0.24	12.9	3.52	43.3	661.2	0.39	12.0	0.23	0.0	714.5	0.37	12.4
36	2.32	68.6	339.1	0.17	19.5	1.96	31.8	426.1	0.26	18.4	0.07	0.0	453.0	0.41	19.6
37	0.04	0.0	314.7	1.10	28.2	0.11	0.0	312.3	1.04	28.4	0.08	0.0	312.4	1.05	28.4
38	0.12	0.1	372.2	1.95	23.8	0.09	0.0	346.2	3.96	25.6	0.28	0.2	408.7	0.59	21.7
39	0.13	0.4	464.4	3.39	19.1	0.08	0.1	450.2	3.58	19.7	0.15	0.4	495.2	2.04	17.9

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

MODE NO.	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	010	1976	CHEV	LUV	110	018	1976	AMC	STAW	258	019	1976	BUIC	REGA	350
	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	3.52	44.0	692.3	4.94	11.5	2.69	62.0	1098.4	13.90	7.4	1.16	39.5	1242.1	4.93	6.8
2	0.88	6.2	271.0	0.50	31.3	0.57	18.5	320.8	1.02	25.2	1.19	1.5	500.5	0.20	17.5
3	1.43	32.8	819.7	2.24	10.1	4.06	134.2	1175.7	4.66	6.3	0.57	1.4	1354.6	1.47	6.5
4	1.62	16.2	504.9	2.91	16.6	1.76	44.4	756.9	7.75	10.7	0.73	1.1	846.5	3.55	10.4
5	1.19	11.7	442.4	4.41	19.1	0.57	6.5	656.2	8.85	13.3	0.28	1.4	723.5	5.14	12.2
6	0.29	3.4	174.4	0.87	49.1	0.11	3.0	195.0	1.06	44.4	0.96	0.7	295.8	0.87	29.2
7	0.49	54.0	524.8	2.71	14.5	1.43	46.5	885.2	13.83	9.2	1.02	41.9	924.6	7.72	8.9
8	0.41	2.7	207.8	2.27	41.6	0.11	1.7	209.7	1.68	41.7	0.43	1.0	287.8	2.02	30.5
9	0.39	8.9	449.6	5.00	19.1	0.32	5.1	699.6	11.24	12.5	0.43	19.4	739.5	5.81	11.5
10	0.32	3.5	203.0	1.34	42.4	0.72	10.9	214.1	1.24	38.0	0.86	0.6	297.6	1.36	29.5
11	1.51	45.2	553.5	4.21	14.1	0.94	20.8	833.3	14.87	10.2	0.72	35.9	931.7	7.99	9.0
12	0.60	3.4	208.4	1.63	41.2	1.22	11.8	224.1	1.37	36.0	0.90	0.8	320.6	1.60	27.3
13	1.06	33.2	586.5	5.66	13.8	0.99	17.5	863.8	15.14	9.9	0.48	29.5	976.0	8.18	8.7
14	0.33	3.0	193.3	1.58	44.6	0.81	7.4	211.4	1.37	39.3	0.55	0.8	284.8	1.47	30.8
15	0.25	5.0	214.4	0.92	39.8	0.15	4.9	257.4	1.00	33.4	0.23	1.7	374.1	0.19	23.5
16	0.50	13.2	498.4	1.07	17.0	2.51	98.9	571.0	0.90	12.1	0.66	3.3	990.6	0.00	8.9
17	1.80	25.3	574.6	5.77	14.3	1.09	20.8	880.8	13.74	9.7	0.33	19.3	1007.7	6.83	8.5
18	0.33	4.5	195.5	0.74	43.6	0.36	10.7	210.2	1.06	38.9	0.68	1.2	312.9	0.58	28.0
19	1.25	16.5	539.1	5.50	15.6	1.12	21.7	825.0	12.81	10.3	0.36	12.7	966.1	5.16	9.0
20	0.78	4.2	190.9	0.74	44.4	0.53	17.8	249.7	1.14	31.8	0.88	2.1	381.2	0.62	22.9
21	2.64	72.6	598.6	3.35	12.3	1.41	39.3	970.5	16.21	8.6	0.80	48.0	1094.6	9.54	7.6
22	0.52	4.2	215.8	1.51	39.6	0.79	13.7	238.0	1.36	33.9	0.76	1.9	336.7	1.45	25.9
23	2.52	25.6	652.2	5.89	12.7	1.69	45.1	1001.5	11.81	8.2	0.23	2.9	1122.4	5.99	7.9
24	0.59	12.9	490.2	5.53	17.3	0.47	7.7	737.6	12.04	11.8	0.44	21.1	781.0	6.03	10.9
25	0.58	3.5	191.7	1.72	44.6	0.58	6.5	192.3	1.28	43.4	0.66	1.1	281.3	1.71	31.1
26	0.30	8.0	279.6	1.33	30.3	0.33	10.3	328.2	1.26	25.7	0.51	2.4	526.8	0.46	16.6
27	0.92	16.4	525.2	6.97	16.0	0.63	14.0	775.2	12.50	11.1	0.37	24.4	869.7	6.72	9.8
28	1.34	4.2	186.8	1.39	44.9	0.85	15.7	239.5	1.25	33.3	0.65	1.5	340.0	1.33	25.8
29	2.41	24.8	606.9	4.69	13.6	1.45	39.7	873.6	8.78	9.4	0.19	2.2	991.2	4.63	8.9
30	0.66	38.5	519.4	3.95	15.2	0.82	14.9	770.3	12.91	11.1	0.62	32.6	849.6	6.65	9.8
31	0.67	3.0	183.9	1.78	46.5	0.48	5.2	206.5	1.68	41.0	0.65	1.4	275.1	1.91	31.8
32	0.29	7.8	272.6	1.11	31.0	0.53	20.4	320.1	1.04	25.1	0.42	3.1	512.3	0.32	17.1
BAG ACT.	0.72	14.7	363.6	3.05	22.8	0.72	14.8	503.8	5.53	16.8	0.52	9.9	601.8	3.79	14.3
CALC.	0.75	14.8	369.7	3.20	22.5	0.71	16.1	508.4	5.96	16.6	0.50	10.1	597.6	3.92	14.4
33	0.08	3.0	49.3	0.03	163.7	0.42	15.9	65.2	0.07	97.0	0.09	0.0	121.5	0.07	72.9
34	1.20	34.6	574.3	0.40	14.0	5.25	175.1	817.8	0.83	8.0	1.59	0.6	1489.7	0.72	5.9
35	0.63	7.9	559.2	1.25	15.5	2.62	79.4	518.5	0.59	13.6	6.84	1.1	858.8	0.29	10.1
36	0.47	4.9	372.8	0.97	23.2	1.63	50.0	300.8	0.33	23.1	3.70	0.7	568.1	0.21	15.3
37	0.38	4.5	302.9	0.72	28.5	0.20	1.7	344.3	1.25	25.5	0.46	0.5	412.8	0.45	21.4
38	0.37	4.2	259.6	1.56	33.2	0.11	2.0	370.7	2.31	23.7	0.16	0.7	424.6	1.43	20.8
39	0.23	4.4	315.9	4.11	27.4	0.04	1.1	453.9	4.36	19.5	0.08	0.4	502.0	4.96	17.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	020	1976	BUIC	RIVI	455	021	1976	CADI	DEVI	500	022	1976	CHEV	IMPA	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.01	3.2	1551.0	11.21	5.7	5.27	10.8	1647.0	12.79	5.3	0.45	6.2	1504.4	11.27	5.9
2	0.88	0.0	531.3	0.58	16.6	1.55	1.2	599.0	1.11	14.7	0.14	0.0	603.7	0.90	14.7
3	0.83	0.8	1783.7	3.50	5.0	5.79	3.9	1809.6	7.90	4.8	0.20	0.0	1541.9	4.56	5.8
4	0.42	0.2	1053.8	3.28	8.4	4.09	9.4	1094.1	6.64	7.9	0.16	0.0	944.9	3.98	9.4
5	0.35	0.3	866.6	6.06	10.2	2.67	3.6	897.9	5.90	9.7	0.14	0.2	837.7	5.65	10.6
6	0.62	0.1	297.3	0.44	29.6	1.07	1.3	345.6	0.70	25.3	0.09	0.0	326.2	0.71	27.2
7	0.82	10.1	1128.6	11.68	7.7	5.38	127.1	1179.5	6.64	6.4	1.46	60.7	1017.0	8.17	7.9
8	0.30	0.2	297.7	1.60	29.7	1.05	1.8	366.6	1.60	23.8	0.09	1.2	349.2	2.37	25.3
9	0.29	0.5	844.9	9.88	10.5	1.83	3.7	954.8	7.86	9.2	0.08	0.7	832.6	9.64	10.6
10	0.87	0.1	316.3	0.98	27.8	1.32	1.4	370.6	1.13	23.5	0.08	0.2	355.6	1.59	24.9
11	0.35	1.4	1093.4	13.72	8.1	2.32	7.3	1255.0	11.92	7.0	0.18	3.5	1053.2	13.43	8.4
12	0.97	0.2	363.8	1.41	24.2	1.62	1.5	407.7	1.31	21.4	0.09	0.6	373.8	1.84	23.7
13	0.33	0.7	1147.0	14.22	7.7	2.40	5.2	1295.6	12.41	6.8	0.13	1.6	1090.9	14.43	8.1
14	0.74	0.1	288.0	1.17	30.6	1.07	1.3	351.9	1.25	24.8	0.05	0.5	328.7	1.65	26.9
15	0.18	0.1	404.3	0.59	21.9	1.01	0.8	440.7	0.76	19.9	0.01	1.5	425.0	0.30	20.8
16	0.15	0.1	1080.7	0.61	8.2	2.62	2.2	1226.6	4.17	7.2	0.00	4.4	1052.5	1.27	8.4
17	0.33	0.4	1179.5	11.68	7.5	3.44	6.2	1281.0	11.77	6.8	0.13	3.0	1112.3	10.74	7.9
18	0.65	0.1	331.6	0.50	26.6	1.10	1.9	379.4	0.69	23.0	0.06	0.7	350.2	0.57	25.3
19	0.31	0.4	1100.8	9.37	8.1	3.18	6.0	1190.5	10.50	7.3	0.11	2.4	1032.4	9.13	8.6
20	0.86	0.2	404.1	0.43	21.8	1.28	2.0	465.0	0.99	18.8	0.10	1.4	430.2	0.77	20.5
21	0.53	4.3	1308.9	16.92	6.7	3.89	56.1	1470.1	14.22	5.7	1.47	78.5	1150.1	12.05	6.9
22	0.85	0.2	351.2	1.20	25.1	1.39	1.8	414.1	1.40	21.1	0.10	1.4	394.2	1.63	22.4
23	0.37	0.3	1374.7	8.17	6.4	4.62	9.5	1475.2	12.78	5.9	0.14	7.1	1236.4	7.46	7.1
24	0.24	0.4	902.3	10.37	9.8	2.35	4.8	993.4	9.39	8.8	0.08	1.1	881.9	10.24	10.0
25	0.63	0.2	297.2	1.30	29.6	1.46	1.5	337.4	1.32	25.8	0.06	0.7	331.3	1.81	26.7
26	0.27	0.2	564.7	1.11	15.7	1.50	1.6	624.8	1.22	14.0	0.01	2.9	594.9	0.49	14.8
27	0.27	0.4	1002.7	11.77	8.8	2.73	6.8	1122.2	11.02	7.8	0.10	1.6	974.6	12.46	9.1
28	0.74	0.2	358.1	1.23	24.6	1.24	1.6	421.0	1.34	20.8	0.06	1.4	388.9	1.57	22.7
29	0.30	0.4	1206.5	6.97	7.3	4.88	16.2	1291.9	9.77	6.7	0.07	4.1	1128.2	6.99	7.8
30	0.33	1.4	1008.0	12.34	8.8	2.65	9.6	1111.1	10.45	7.8	0.12	1.4	973.7	13.02	9.1
31	0.54	0.2	302.5	1.77	29.2	1.34	1.9	347.2	1.51	25.0	0.07	1.0	310.8	1.88	28.4
32	0.40	0.2	530.1	0.71	16.7	1.48	1.8	612.5	1.37	14.3	0.01	2.9	556.4	0.48	15.8
BAG ACT.	0.46	0.7	671.2	5.02	13.2	1.89	8.5	767.6	4.80	11.3	0.16	5.0	667.6	5.33	13.1
CALC.	0.44	0.7	671.5	5.45	13.2	1.97	7.7	757.2	5.23	11.4	0.16	5.0	680.6	5.68	12.9
33	0.04	0.1	135.1	0.08	65.6	0.54	0.5	150.9	0.56	57.9	0.03	0.0	137.6	0.34	64.4
34	0.63	0.7	1609.6	0.74	5.5	7.08	8.9	1818.0	6.45	4.8	0.74	0.5	1618.8	3.05	5.5
35	0.18	0.4	1018.9	0.49	8.7	3.24	4.8	925.7	1.66	9.4	0.41	0.1	809.4	1.40	10.9
36	0.23	0.2	656.4	0.36	13.5	2.10	2.5	603.8	1.44	14.4	0.32	0.1	582.8	0.65	15.2
37	0.15	0.2	427.5	0.81	20.7	1.69	1.4	475.0	0.49	18.4	0.09	0.1	507.9	0.46	17.5
38	0.19	0.2	483.1	0.77	18.3	1.16	1.4	513.5	1.30	17.1	0.04	0.1	514.2	1.62	17.3
39	0.12	0.2	533.7	4.44	16.6	0.87	1.9	622.8	3.40	14.1	0.03	0.1	572.9	4.87	15.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	023	1976	CHEV	IMPA	350	024	1976	CHEV	MONZ	140	025	1976	CHEV	IMPA	400
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.16	6.3	1300.3	9.70	6.8	3.65	116.2	934.6	4.82	7.9	7.82	171.3	1252.0	14.31	5.7
2	0.05	0.6	587.5	0.68	15.1	1.55	40.3	281.7	0.00	25.4	2.24	19.3	305.4	0.97	21.0
3	0.23	11.1	1471.8	5.67	6.0	6.37	239.6	842.9	0.27	7.2	11.51	285.8	1220.4	2.67	5.2
4	0.16	6.3	900.8	3.61	9.7	1.98	77.0	665.1	1.49	11.2	3.79	65.9	876.1	8.33	9.0
5	0.13	8.5	764.1	5.92	11.4	0.99	22.1	576.1	2.81	14.5	1.43	5.8	787.0	13.28	11.1
6	0.05	2.3	316.5	0.64	27.7	0.25	3.0	169.0	0.12	45.6	0.23	0.6	262.3	2.60	33.6
7	1.39	67.0	926.5	7.94	8.6	1.26	49.8	732.6	4.25	10.9	1.09	4.5	1053.2	18.64	8.3
8	0.05	1.2	322.9	2.39	27.3	0.10	3.9	196.1	0.84	43.4	0.17	0.7	275.6	4.56	32.0
9	0.07	1.9	771.2	10.38	11.5	0.56	31.5	564.1	2.81	14.4	0.63	1.5	790.6	16.40	11.2
10	0.04	1.2	344.0	1.69	25.6	0.23	9.5	194.9	0.67	42.1	1.99	8.3	267.4	2.85	31.0
11	0.43	18.6	964.9	13.00	8.9	1.14	65.4	693.1	5.05	11.1	1.24	13.7	1015.0	20.14	8.5
12	0.04	1.4	372.9	1.99	23.6	0.27	11.0	220.4	1.28	37.2	2.23	7.2	283.7	3.40	29.4
13	0.12	4.8	1019.0	13.89	8.6	0.71	45.5	763.2	4.77	10.6	1.29	18.5	1048.3	22.02	8.2
14	0.03	0.8	319.5	1.75	27.7	0.30	12.7	178.3	0.60	44.6	1.04	3.0	266.7	3.31	32.3
15	0.02	2.1	454.0	0.32	19.4	0.98	40.4	190.0	0.00	34.6	0.33	1.6	308.1	1.27	28.8
16	0.02	4.6	1195.0	2.74	7.4	2.96	156.3	470.9	0.00	12.2	5.10	129.2	695.4	0.00	9.7
17	0.10	3.5	1033.5	10.84	8.5	0.91	39.6	810.4	4.20	10.1	1.82	30.8	1058.5	22.25	8.0
18	0.03	2.0	362.6	0.74	24.3	0.56	14.3	195.0	0.27	40.5	1.31	6.5	251.6	1.08	33.4
19	0.11	5.4	958.7	9.19	9.2	0.88	41.2	721.1	2.82	11.3	1.58	21.2	979.7	19.60	8.7
20	0.03	2.5	450.5	0.78	19.5	0.76	24.0	214.4	0.22	34.9	2.24	15.1	295.7	2.06	27.2
21	1.61	91.6	1078.7	10.98	7.2	1.32	73.6	819.2	5.56	9.5	1.59	23.2	1183.6	22.68	7.2
22	0.05	2.2	400.0	2.02	22.0	0.51	19.8	209.3	0.89	36.7	2.25	12.6	291.4	3.24	27.9
23	0.19	9.3	1190.0	8.26	7.4	2.06	92.7	823.5	2.73	9.1	3.41	73.6	1153.8	19.69	6.9
24	0.06	1.4	828.7	10.56	10.7	0.92	51.2	585.4	2.99	13.3	0.54	1.7	836.2	17.96	10.6
25	0.04	1.0	317.0	1.93	27.8	0.17	7.3	206.5	1.02	40.6	0.79	2.2	253.7	3.51	34.2
26	0.03	3.0	612.8	0.90	14.4	1.44	66.9	266.1	0.00	23.6	0.68	6.4	402.0	1.65	21.4
27	0.14	6.7	899.3	11.71	9.7	0.67	35.7	691.6	3.58	11.8	1.08	14.7	923.0	21.14	9.3
28	0.03	1.8	393.0	1.72	22.4	0.52	24.5	207.8	0.51	35.8	2.18	15.3	294.6	3.08	27.3
29	0.31	22.5	1069.9	4.98	8.0	2.02	92.5	735.7	1.77	10.0	2.89	64.4	1031.9	16.53	7.8
30	0.17	8.7	917.0	10.63	9.5	0.82	51.2	672.0	2.65	11.8	0.60	1.7	926.5	19.11	9.5
31	0.03	1.6	325.1	2.08	27.1	0.14	8.2	193.0	0.90	43.0	0.46	1.4	248.6	3.67	35.2
32	0.01	4.5	617.7	1.24	14.2	1.50	71.8	259.5	0.00	23.5	1.41	21.2	379.5	1.15	21.3
BAG ACT.	0.16	7.5	645.6	5.25	13.5	0.77	33.4	429.8	1.87	18.3	1.35	17.2	608.9	8.85	13.9
CALC.	0.16	8.1	649.7	5.53	13.4	0.73	33.5	433.5	1.95	18.2	1.57	17.3	608.7	10.18	13.8
33	0.02	0.0	146.2	0.57	60.7	0.47	15.1	61.6	0.07	102.2	1.01	26.6	70.4	0.03	76.9
34	0.31	0.5	1747.4	5.06	5.1	6.15	171.1	757.0	0.91	8.5	14.16	303.7	880.4	0.34	6.3
35	0.17	0.3	853.8	1.29	10.4	3.00	81.7	375.5	0.46	17.3	4.65	82.1	705.7	0.43	10.4
36	0.14	0.3	602.4	1.20	14.7	1.79	55.1	274.1	0.28	24.2	3.10	59.0	455.7	0.31	15.9
37	0.10	0.5	479.4	0.41	18.5	1.05	10.4	268.0	0.22	30.9	0.45	0.9	412.2	1.47	21.4
38	0.03	0.2	483.9	1.80	18.3	0.09	0.0	305.0	1.12	29.1	0.20	0.7	442.8	3.89	20.0
39	0.03	0.1	552.2	5.40	16.1	0.05	0.0	372.4	3.15	23.8	0.14	0.4	539.0	8.72	16.4

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	026	1976	CHEV	MONT	305	027	1976	CHEV	NOVA	250	028	1976	CHEV	CHET	85
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.26	9.7	1150.7	6.26	7.6	2.36	33.7	1023.2	9.80	8.2	10.99	135.6	574.8	4.78	10.8
2	0.00	2.7	442.4	1.24	19.9	0.15	0.0	285.6	1.70	31.0	0.24	2.8	141.1	1.60	60.6
3	0.05	13.6	1287.7	2.85	6.8	5.10	74.5	1055.4	1.60	7.5	19.75	181.0	701.9	1.62	8.5
4	0.37	8.1	769.6	3.68	11.3	1.18	12.2	719.6	5.86	12.0	1.00	18.3	431.7	3.83	19.1
5	0.16	4.0	653.9	4.10	13.4	0.18	0.0	642.0	6.58	13.8	0.57	4.0	366.1	5.67	23.7
6	0.03	1.9	260.3	0.76	33.7	0.06	0.0	167.6	1.50	52.9	0.06	1.6	89.2	1.64	96.6
7	1.31	46.1	829.6	8.29	9.8	1.40	62.4	794.0	9.22	9.9	2.59	70.2	338.6	2.32	19.4
8	0.37	13.3	268.3	1.81	30.6	0.07	0.0	163.3	1.96	48.4	0.20	1.7	110.4	2.68	78.1
9	0.15	3.1	682.9	6.45	12.9	0.12	0.2	634.3	9.05	14.0	0.49	5.6	370.7	5.22	23.3
10	0.07	5.0	269.4	0.86	32.0	0.26	0.9	195.1	1.64	45.0	0.06	2.1	111.2	2.46	77.3
11	0.41	23.2	844.9	6.17	10.1	0.54	10.4	798.4	12.12	10.9	4.45	120.4	353.1	1.90	16.0
12	0.14	8.6	294.5	1.30	28.8	0.38	1.5	197.6	2.11	44.1	0.09	2.2	99.5	2.49	86.0
13	0.30	16.3	890.9	8.26	9.7	0.44	6.2	836.0	13.47	10.5	5.28	102.8	398.2	3.01	15.4
14	0.10	5.9	249.8	1.17	34.2	0.07	0.5	186.4	2.07	47.4	0.07	1.6	104.3	2.46	83.0
15	0.00	0.8	306.6	1.41	28.8	0.07	0.0	216.3	1.57	41.0	0.56	10.9	91.8	0.59	80.1
16	0.00	4.1	807.8	1.11	10.9	2.44	44.5	542.0	0.69	14.3	2.60	57.5	237.0	0.48	26.4
17	0.63	35.0	885.3	6.37	9.4	0.73	12.5	849.7	10.00	10.2	3.68	53.5	459.2	4.62	16.0
18	0.01	1.0	267.3	0.63	33.0	0.10	1.2	185.7	1.73	47.3	0.04	2.7	90.7	1.58	93.3
19	0.39	19.9	826.8	5.28	10.3	0.66	11.4	793.5	9.82	10.9	1.58	31.9	440.6	4.87	17.9
20	0.04	2.3	329.9	0.68	26.6	0.39	3.0	217.0	1.87	39.8	0.02	3.5	101.0	1.80	83.3
21	1.35	62.3	960.3	8.94	8.4	1.05	38.3	934.5	15.28	8.9	7.15	151.8	371.2	1.79	14.0
22	0.21	7.8	289.1	1.09	29.4	0.32	2.6	211.1	1.99	41.0	0.15	2.9	108.9	2.34	77.9
23	0.21	20.2	1018.6	4.92	8.4	1.63	35.9	904.1	8.65	9.2	10.46	105.0	491.8	4.71	12.9
24	0.48	23.8	701.7	5.82	12.0	0.09	1.1	692.1	11.04	12.8	0.95	24.9	372.1	5.09	21.4
25	0.17	9.2	260.4	1.25	32.2	0.07	1.0	173.6	2.27	50.6	0.03	2.1	93.9	2.42	91.3
26	0.00	4.4	427.3	1.92	20.4	0.10	3.1	316.6	2.21	27.6	0.71	17.5	127.7	0.79	56.4
27	0.61	31.5	774.4	5.78	10.7	0.36	6.7	734.0	10.70	11.9	1.98	37.0	405.1	4.58	18.9
28	0.12	7.8	292.4	1.03	29.1	0.54	4.5	218.8	1.93	39.0	0.04	4.0	122.1	2.43	69.0
29	0.14	15.0	901.6	3.83	9.6	1.45	32.1	797.6	8.08	10.4	8.36	98.6	441.0	4.42	14.3
30	0.67	31.4	766.4	6.12	10.9	0.22	5.2	758.5	10.51	11.6	2.32	79.9	361.7	3.61	17.9
31	0.31	14.2	236.1	1.39	34.2	0.03	1.1	177.0	2.43	49.6	0.07	2.1	91.3	2.41	93.6
32	0.00	3.5	413.3	1.63	21.2	0.11	3.0	296.5	2.40	29.4	0.74	15.4	121.1	0.84	60.1
BAG ACT.	0.43	18.2	538.8	3.46	15.6	0.46	7.6	467.7	5.29	18.4	1.91	30.3	255.1	3.04	28.7
CALC.	0.41	19.1	529.6	3.63	15.8	0.47	7.6	471.0	5.66	18.3	1.85	31.6	252.6	3.18	28.8
33	0.03	0.0	104.2	0.30	85.1	0.40	5.6	66.1	0.06	116.5	0.85	13.0	18.6	0.01	212.2
34	0.59	1.0	1250.1	2.27	7.1	4.49	32.3	823.1	0.52	10.0	5.89	155.5	396.1	0.16	13.5
35	0.35	0.3	661.4	0.75	13.4	1.25	3.3	579.1	0.55	15.1	2.35	21.7	433.2	1.09	18.7
36	0.23	0.3	425.5	0.42	20.8	1.38	4.3	369.6	0.42	23.3	1.80	22.2	268.9	0.59	28.7
37	0.14	0.2	336.0	1.41	26.4	0.26	0.4	298.0	1.48	29.6	0.06	0.0	209.6	2.44	42.3
38	0.08	0.1	384.3	1.39	23.1	0.09	0.1	335.9	1.99	26.4	0.07	0.0	201.3	4.53	44.0
39	0.22	10.4	444.0	3.17	19.3	0.04	0.1	404.1	4.42	22.0	0.09	0.2	251.9	5.67	35.2

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	029	1976	DODG	STAW	318	030	1976	DODG	ASPE	225	031	1976	FORD	PINT	140
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.81	6.7	1197.4	6.96	7.3	3.41	50.3	937.8	6.82	8.6	0.43	1.0	796.6	5.18	11.1
2	0.51	0.7	347.4	2.33	25.4	0.42	1.4	257.5	0.77	34.0	0.09	0.2	268.5	0.42	33.0
3	3.30	17.1	1398.0	3.42	6.2	4.52	90.1	945.2	2.09	8.1	0.40	0.6	908.2	0.88	9.7
4	1.43	5.1	846.4	3.41	10.3	1.53	12.1	665.2	3.70	12.9	0.29	0.3	527.7	1.90	16.4
5	0.68	0.6	714.0	6.35	12.4	0.54	2.0	593.6	5.03	14.6	0.31	0.4	468.4	3.75	18.8
6	0.76	0.2	228.9	0.84	38.3	0.18	0.0	171.0	0.60	51.7	0.14	0.2	180.1	0.34	49.1
7	0.78	1.6	961.2	13.71	9.2	1.68	41.1	743.5	11.38	10.9	0.43	17.4	630.8	6.71	13.3
8	0.31	0.3	249.0	1.98	35.4	0.15	0.0	193.3	2.16	45.8	0.11	0.2	194.1	1.20	45.6
9	0.76	0.8	747.7	8.35	11.8	0.48	3.1	615.3	7.63	14.3	0.21	0.6	486.0	5.28	18.2
10	0.98	0.6	243.6	1.31	35.8	0.09	0.9	184.0	1.23	47.1	0.11	0.2	183.8	0.74	48.1
11	0.83	3.8	933.9	10.86	9.4	1.18	20.6	744.6	12.94	11.4	0.19	1.5	630.8	7.35	14.0
12	0.94	0.5	259.0	1.53	33.8	[illegible]	1.0	189.3	1.50	45.8	0.13	0.2	188.9	0.88	46.8
13	0.85	3.9	958.8	11.02	9.2	0.80	9.2	782.0	11.08	11.1	0.21	1.1	643.8	7.26	13.7
14	0.59	0.4	237.2	1.47	37.0	0.44	0.5	171.0	1.40	51.3	0.11	0.2	178.7	0.85	49.5
15	0.18	0.3	258.8	2.37	34.2	0.17	3.0	187.5	1.37	47.2	0.07	0.2	208.3	0.47	42.5
16	2.13	17.6	647.1	0.26	13.0	2.74	67.6	445.3	0.38	15.8	0.27	0.5	556.0	0.00	15.9
17	1.18	4.0	954.3	8.35	9.2	1.26	16.9	779.1	8.00	11.0	0.35	0.9	640.4	5.74	13.8
18	0.88	0.3	235.8	0.80	37.1	0.37	0.3	172.0	0.70	51.1	0.11	0.2	179.6	0.29	49.2
19	1.13	4.6	901.2	7.54	9.7	1.31	19.4	725.0	7.02	11.7	0.32	0.6	611.5	5.86	14.5
20	1.26	0.5	271.6	0.81	32.1	0.73	2.5	197.8	0.52	43.5	0.14	0.2	215.5	0.36	41.0
21	1.03	4.5	1088.0	14.06	8.1	1.66	33.9	868.4	15.38	9.6	0.29	11.8	737.8	8.02	11.7
22	1.05	0.7	269.8	1.53	32.4	1.05	1.8	193.6	1.29	44.4	0.09	0.2	191.7	0.70	46.1
23	1.96	11.8	1060.5	6.26	8.2	1.79	30.5	823.8	5.78	10.1	0.36	0.5	698.1	3.82	12.7
24	0.57	0.7	777.6	9.26	11.4	0.44	2.8	629.4	8.69	14.0	0.19	0.7	518.3	5.62	17.1
25	0.41	0.3	248.4	1.73	35.5	0.28	0.5	159.6	1.51	55.0	0.13	0.2	184.0	0.97	48.1
26	0.34	0.4	378.2	3.62	23.4	0.23	1.4	247.1	1.93	35.5	0.11	0.2	283.2	0.87	31.3
27	0.83	2.6	845.3	9.42	10.4	0.68	7.7	688.9	8.68	12.6	0.24	0.6	564.0	6.23	15.7
28	1.16	1.0	271.3	1.30	32.1	0.91	3.7	202.7	1.23	42.0	0.11	0.2	202.3	0.73	43.7
29	1.79	10.0	976.9	5.51	8.9	1.48	26.8	726.5	5.55	11.5	0.34	0.5	632.9	2.58	14.0
30	0.63	1.0	857.2	10.50	10.3	0.64	16.8	676.0	9.62	12.6	0.20	1.1	576.2	6.81	15.3
31	0.32	0.3	232.4	1.78	38.0	0.12	0.8	162.9	1.81	54.0	0.12	0.2	179.6	1.07	49.2
32	0.42	0.4	340.9	2.74	25.9	0.35	3.7	235.0	1.33	36.7	0.10	0.3	273.1	0.87	32.4
BAG ACT.	0.89	2.1	553.0	4.84	15.9	0.85	8.7	443.9	4.47	19.3	0.18	1.1	381.1	2.83	23.2
CALC.	0.89	2.0	558.9	5.08	15.7	0.84	8.4	435.3	4.84	19.7	0.17	1.1	381.2	2.90	23.1
33	0.34	1.5	77.1	0.05	110.3	0.40	7.5	59.1	0.08	122.9	0.04	0.0	68.8	0.02	128.7
34	6.11	46.3	901.5	0.60	8.9	4.80	61.0	738.4	0.99	10.4	0.55	0.4	831.5	0.30	10.6
35	2.97	25.0	585.6	0.59	14.0	2.22	13.9	485.9	0.59	17.2	0.23	0.1	503.1	0.28	17.6
36	1.83	16.3	428.0	0.62	19.3	1.59	14.1	273.8	0.43	29.5	0.16	0.1	337.5	0.19	26.2
37	0.28	0.3	356.8	3.68	24.8	0.51	0.2	276.5	1.28	31.9	0.15	0.1	255.5	0.97	34.7
38	1.14	0.5	424.9	2.09	20.7	0.30	0.0	336.8	1.23	26.3	0.20	0.1	283.5	0.71	31.2
39	0.25	0.6	479.5	4.62	18.4	0.16	0.2	397.3	4.30	22.3	0.13	0.2	334.2	2.31	26.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID
	032	1976	FORD	LTD	400
MODE NO.	HC	CO	CO2	NOX	MPG
1	2.56	84.9	1497.2	4.41	5.4
2	0.36	0.0	468.5	0.67	18.9
3	1.05	0.0	1765.0	2.56	5.0
4	0.64	0.0	1008.9	4.94	8.8
5	0.73	1.4	849.8	3.94	10.4
6	0.38	0.0	323.5	0.79	27.3
7	1.96	257.8	1011.1	2.04	6.2
8	0.22	0.0	376.3	1.20	23.5
9	1.02	77.7	823.1	1.77	9.4
10	0.37	0.0	344.1	0.85	25.7
11	2.12	230.4	1004.5	0.94	6.5
12	0.32	0.0	377.7	0.92	23.4
13	1.77	172.1	1084.0	1.68	6.5
14	0.25	0.0	343.3	0.86	25.8
15	0.18	0.0	367.8	0.52	24.1
16	0.57	0.0	934.4	0.54	9.5
17	1.04	60.7	1170.4	2.96	7.0
18	0.35	0.0	330.6	0.63	26.8
19	0.90	37.6	1054.9	3.40	7.9
20	0.48	0.0	400.9	0.71	22.1
21	2.65	343.9	1157.5	1.27	5.2
22	0.32	0.1	379.0	0.86	23.3
23	0.69	3.1	1312.2	5.44	6.7
24	1.23	98.1	848.0	2.14	8.8
25	0.30	0.2	338.0	0.88	26.2
26	0.30	0.0	485.4	0.83	18.3
27	0.90	55.6	1020.0	2.23	8.0
28	0.32	0.5	382.4	0.81	23.1
29	0.57	4.4	1226.4	5.42	7.2
30	1.44	124.9	912.3	1.86	8.0
31	0.24	1.0	328.0	0.90	26.9
32	0.27	0.0	486.4	0.58	18.2
BAG ACT.	0.71	49.4	704.3	1.59	11.3
CALC.	0.70	47.0	684.3	1.62	11.7
33	0.88	24.3	79.7	0.03	73.5
34	11.25	274.3	975.5	0.35	6.2
35	6.19	143.9	491.0	0.17	12.0
36	3.33	68.9	411.8	0.21	16.7
37	0.79	0.0	462.7	0.99	19.1
38	0.33	0.0	467.1	1.37	18.2
39	0.13	0.2	539.5	2.16	16.4

	VEH	YEAR	MAKE	MODL	CID
	033	1976	FORD	ELIT	351
MODE NO.	HC	CO	CO2	NOX	MPG
1	3.01	111.3	1453.7	6.61	5.4
2	0.46	20.6	697.3	0.41	12.1
3	1.72	84.3	1747.0	3.19	4.7
4	1.12	18.9	995.0	4.27	8.6
5	1.02	8.8	881.8	4.70	9.9
6	0.40	3.3	380.4	1.28	22.9
7	1.38	20.1	1090.3	12.98	7.9
8	0.39	2.9	373.8	1.74	23.4
9	0.86	6.3	823.9	6.29	10.6
10	0.27	3.4	388.0	1.03	22.5
11	0.96	17.6	1098.6	8.80	7.9
12	0.28	4.1	427.9	1.17	20.4
13	0.92	14.1	1137.7	8.65	7.6
14	0.24	2.4	360.7	1.21	24.3
15	0.16	10.9	484.9	0.21	17.7
16	0.52	52.5	1413.9	0.00	5.9
17	1.02	13.8	1153.8	6.43	7.5
18	0.24	4.8	404.0	0.73	21.5
19	0.95	15.5	1084.2	6.38	8.0
20	0.29	7.1	505.2	0.88	17.2
21	1.20	24.5	1284.6	11.76	6.7
22	0.25	5.6	427.3	1.08	20.3
23	1.15	24.6	1271.0	5.34	6.8
24	0.76	8.5	884.3	6.46	9.9
25	0.23	2.4	348.7	1.22	25.1
26	0.24	16.7	688.6	0.24	12.4
27	0.80	8.4	1002.0	6.73	8.7
28	0.25	4.8	432.6	1.08	20.1
29	1.18	22.4	1111.6	5.67	7.7
30	0.92	12.1	967.5	8.48	9.0
31	0.25	2.7	354.6	1.41	24.7
32	0.23	16.2	671.3	0.30	12.7
BAG ACT.	0.63	11.6	727.4	3.32	11.9
CALC.	0.63	11.4	706.4	3.94	12.2
33	1.19	56.5	101.2	0.06	45.8
34	14.48	671.6	1239.7	0.80	3.8
35	7.55	335.8	629.2	0.38	7.5
36	4.03	205.1	446.7	0.26	11.4
37	0.28	12.4	466.9	0.52	18.2
38	0.54	0.4	438.0	2.07	20.2
39	0.62	2.1	525.6	3.80	16.7

	VEH	YEAR	MAKE	MODL	CID
	034	1976	FORD	GRAN	250
MODE NO.	HC	CO	CO2	NOX	MPG
1	1.10	1.5	1078.3	12.21	8.2
2	0.16	0.2	394.9	5.27	22.4
3	0.53	0.6	1102.8	13.57	8.0
4	0.54	0.3	687.0	6.14	12.9
5	0.51	0.5	637.4	8.05	13.9
6	0.15	0.1	272.3	0.89	32.5
7	1.10	53.1	870.3	9.23	9.3
8	0.12	0.3	305.5	2.00	29.0
9	0.34	0.8	686.2	8.83	12.9
10	0.11	0.1	274.2	1.46	32.3
11	0.39	1.5	898.5	13.83	9.8
12	0.12	0.2	296.5	1.59	29.9
13	0.36	1.2	926.4	13.84	9.5
14	0.11	0.2	269.0	1.34	32.9
15	0.13	0.2	313.3	4.39	28.3
16	0.25	0.5	747.5	5.89	11.8
17	0.50	0.9	904.5	11.54	9.8
18	0.13	0.1	270.3	0.67	32.8
19	0.46	0.8	821.9	11.00	10.8
20	0.15	0.2	319.1	1.01	27.7
21	0.71	71.1	1056.4	9.14	7.6
22	0.12	0.2	299.4	1.47	29.6
23	0.46	0.6	982.9	10.94	9.0
24	0.32	0.8	714.7	10.23	12.4
25	0.10	0.2	266.9	1.46	33.2
26	0.17	0.3	411.9	5.30	21.5
27	0.34	0.9	817.0	11.29	10.8
28	0.12	0.2	307.5	1.56	28.8
29	0.40	0.5	894.5	8.28	9.9
30	0.40	1.4	792.9	10.99	11.1
31	0.10	0.2	270.4	1.54	32.7
32	0.16	0.4	401.6	4.69	22.0
BAG ACT.	0.25	4.0	549.2	5.42	16.0
CALC.	0.26	3.8	552.3	5.86	15.9
33	0.05	0.0	88.1	1.06	100.6
34	0.66	0.0	1100.0	11.13	8.1
35	0.38	0.1	559.3	4.95	15.8
36	0.19	0.0	374.9	1.77	23.6
37	0.20	0.0	326.4	6.48	27.1
38	0.19	0.1	391.3	1.65	22.6
39	0.13	0.1	472.9	4.85	18.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	035	1976	FORD	GRAN	302	036	1976	FORD	GRAN	351	037	1976	MERC	MARQ	400
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	6.07	59.6	1138.6	6.36	7.1	5.48	5.0	1156.2	9.32	7.5	2.12	22.0	1404.4	9.80	6.1
2	0.93	1.4	363.3	0.93	24.1	2.00	0.2	500.4	2.70	17.5	0.49	1.4	530.9	1.37	16.6
3	1.92	18.3	1249.2	3.50	6.9	4.99	0.4	1208.2	9.26	7.2	1.11	4.0	1608.8	6.27	5.5
4	0.98	1.0	759.5	4.24	11.6	4.00	0.8	726.2	5.31	12.0	0.54	1.6	927.4	6.25	9.5
5	1.14	0.6	625.4	4.46	14.1	3.23	1.3	672.0	6.97	13.0	0.56	1.6	806.9	6.08	10.9
6	0.73	0.6	280.0	0.91	31.3	2.02	0.2	305.5	2.15	28.4	0.59	0.9	322.9	0.89	27.2
7	1.57	13.6	844.0	7.48	10.2	3.71	7.0	873.3	10.27	9.9	1.50	113.2	987.9	3.39	7.6
8	0.72	0.5	308.2	1.51	28.5	1.53	0.6	312.1	2.42	27.9	0.26	0.7	350.4	1.31	25.2
9	0.91	0.5	661.8	7.45	13.3	2.69	1.1	692.0	9.37	12.6	0.53	10.1	830.5	4.47	10.5
10	0.59	0.6	278.1	0.98	31.6	1.48	0.4	315.2	2.02	27.7	0.37	1.2	345.5	1.03	25.5
11	1.18	2.6	846.8	10.93	10.4	2.85	1.7	837.3	11.40	10.5	1.12	99.3	1033.8	2.59	7.4
12	0.66	0.7	287.6	1.14	30.5	1.46	0.5	336.7	2.36	25.9	0.36	1.4	375.0	1.24	23.5
13	1.13	2.4	886.6	10.87	9.9	2.66	1.5	873.1	11.77	10.0	0.73	31.2	1091.4	5.34	7.8
14	0.51	0.5	271.6	1.10	32.4	1.40	0.4	301.1	2.30	29.0	0.28	1.0	334.8	1.10	26.3
15	0.16	1.0	277.8	1.23	31.7	1.09	0.2	365.0	2.12	24.1	0.21	2.1	386.8	1.07	22.7
16	0.12	3.0	709.2	0.71	12.4	2.48	0.3	980.4	5.53	9.0	0.32	6.2	1075.2	3.32	8.2
17	1.13	1.3	896.8	7.16	9.8	3.74	2.2	908.7	10.30	9.6	0.63	5.3	1098.1	9.23	8.0
18	0.57	0.7	270.7	0.66	32.4	1.64	0.2	325.2	2.10	26.8	0.36	1.5	340.0	0.86	25.8
19	0.99	0.8	816.7	6.91	10.8	3.47	1.1	821.3	9.38	10.6	0.60	2.9	994.5	8.30	8.9
20	0.55	0.9	300.3	0.71	29.2	1.96	0.2	389.4	2.47	22.4	0.45	2.0	417.6	1.13	21.0
21	1.51	21.9	1000.8	8.85	8.5	3.56	6.1	993.2	12.90	8.8	1.78	188.1	1140.1	2.60	6.2
22	0.58	0.7	285.5	0.99	30.8	1.48	0.5	344.9	2.42	25.3	0.33	1.8	386.4	1.23	22.7
23	0.94	1.3	979.8	5.87	9.0	4.11	0.6	1000.7	10.24	8.7	0.57	13.7	1251.3	8.15	7.0
24	0.89	0.8	684.6	7.76	12.9	2.58	1.6	722.8	9.41	12.1	0.61	17.5	863.9	5.40	9.9
25	0.58	0.5	251.7	0.99	34.9	1.45	0.5	297.4	2.43	29.3	0.32	1.0	324.5	1.22	27.1
26	0.23	1.5	355.4	1.22	24.8	1.68	0.3	526.8	3.44	16.6	0.29	3.0	550.4	1.68	16.0
27	0.98	1.6	777.8	8.30	11.3	2.81	1.6	801.3	10.28	10.9	0.56	4.0	956.9	8.38	9.2
28	0.52	0.7	305.9	1.08	28.8	1.54	0.4	355.1	2.56	24.6	0.30	1.8	389.6	1.23	22.6
29	0.83	1.3	888.3	5.46	9.9	3.92	0.6	906.8	9.16	9.6	0.42	4.2	1093.3	7.35	8.1
30	1.00	1.4	755.7	9.34	11.7	2.93	2.4	792.9	10.33	11.0	0.94	61.4	905.5	4.38	8.8
31	0.57	0.8	271.7	1.22	32.3	1.32	0.5	301.3	2.52	29.0	0.29	1.3	319.8	1.28	27.5
32	0.19	1.4	366.2	1.99	24.1	1.58	0.2	495.5	3.23	17.7	0.28	4.5	539.9	1.64	16.2
BAG ACT.	0.79	2.1	552.1	3.93	15.9	2.17	1.3	554.7	5.57	15.8	0.50	18.4	665.7	3.08	12.7
CALC.	0.77	2.3	539.1	4.11	16.3	2.21	1.2	577.3	6.13	15.1	0.49	17.6	668.3	3.32	12.7
33	0.33	4.6	80.1	0.06	100.4	0.43	0.0	118.9	0.56	73.8	0.56	4.5	127.0	0.30	65.4
34	7.03	79.1	935.7	0.60	8.2	9.42	0.4	1426.3	4.20	6.1	7.48	56.4	1517.3	2.69	5.4
35	3.42	44.0	471.1	0.30	16.1	5.20	0.5	782.4	1.12	11.1	3.83	32.4	765.1	1.18	10.7
36	1.71	7.5	380.3	0.43	22.3	4.22	0.3	477.6	1.12	18.1	2.65	23.0	510.1	0.74	16.0
37	1.23	0.0	379.5	1.17	23.1	2.86	0.2	391.6	2.80	22.1	0.78	0.0	429.3	1.08	20.6
38	0.38	0.0	430.2	1.41	20.6	2.93	0.4	429.8	3.75	20.2	0.29	0.1	475.9	1.35	18.6
39	0.34	0.4	484.2	3.36	18.3	1.41	0.8	508.0	5.96	17.3	0.11	0.2	549.8	2.59	16.1

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	038	1976	MERC	MONA	250	039	1976	OLDS	OMEG	260	040	1976	OLDS	CUTL	350
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	2.00	2.7	1086.4	8.31	8.1	3.72	169.6	852.7	1.83	7.8	6.02	98.1	1308.3	4.06	6.0
2	0.61	0.3	332.8	2.86	26.5	0.50	3.8	356.0	0.53	24.4	1.10	8.5	318.8	0.59	26.4
3	2.02	1.0	1101.9	5.94	8.0	0.93	11.2	964.8	0.53	9.0	9.68	225.2	1355.8	1.44	5.1
4	1.22	0.7	690.0	3.49	12.8	1.87	61.1	614.9	0.87	11.9	2.19	37.7	913.7	2.00	9.1
5	1.13	2.4	641.8	5.31	13.7	1.60	57.2	552.0	2.84	13.7	0.28	3.5	807.7	3.07	10.9
6	0.65	1.0	253.4	0.39	34.5	0.26	3.0	230.8	1.02	37.5	0.05	0.3	222.8	0.23	39.7
7	1.54	56.0	820.8	6.51	9.7	2.71	139.4	700.8	3.81	9.6	2.33	134.9	929.0	3.91	7.7
8	0.37	0.5	291.6	1.37	30.2	0.24	3.2	243.4	2.39	35.6	0.06	0.5	253.0	0.66	35.0
9	0.84	5.7	706.0	6.19	12.4	1.39	42.4	609.0	6.23	13.1	0.33	13.5	845.2	3.08	10.2
10	0.50	0.4	260.3	1.01	33.8	1.00	2.5	234.9	1.78	36.7	1.29	7.4	265.1	0.42	31.6
11	0.94	8.6	896.2	9.71	9.7	2.24	91.7	719.3	6.59	10.2	1.15	48.0	1071.9	4.33	7.7
12	0.43	0.4	272.1	1.15	32.4	1.07	3.8	261.2	1.92	32.8	1.32	8.4	267.4	0.53	31.2
13	0.83	4.8	934.3	9.74	9.4	2.29	87.4	755.1	7.30	9.9	0.81	36.1	1117.4	5.02	7.5
14	0.32	0.3	261.7	1.08	33.7	0.55	2.2	229.7	1.81	37.8	0.63	4.2	252.4	0.47	34.0
15	0.25	0.3	276.9	2.83	31.9	0.14	1.6	276.3	0.29	31.8	0.05	1.1	261.7	0.51	33.7
16	0.57	0.7	616.1	1.66	14.3	0.33	3.1	651.3	0.00	13.5	5.62	158.2	543.0	0.00	11.0
17	1.24	2.3	918.1	7.64	9.6	2.50	95.7	736.3	5.46	9.9	1.16	34.0	1112.7	4.72	7.6
18	0.53	0.3	241.2	0.32	36.5	0.36	2.4	239.4	0.82	36.3	0.73	4.9	235.2	0.22	36.2
19	1.27	3.6	827.6	7.84	10.6	2.23	86.9	684.8	4.36	10.7	1.21	38.2	1035.5	4.11	8.1
20	0.64	0.4	280.4	0.36	31.4	0.85	3.1	271.6	0.88	31.8	1.63	13.1	267.3	0.24	30.3
21	1.38	49.4	1038.3	8.59	7.9	3.21	179.2	782.0	4.69	8.3	2.67	149.3	1135.9	4.95	6.4
22	0.33	0.4	275.0	1.00	32.1	0.97	3.8	256.1	1.53	33.5	1.40	11.5	270.4	0.41	30.3
23	1.12	0.9	969.5	6.35	9.1	2.26	68.6	808.6	3.78	9.6	2.13	63.6	1157.8	3.75	7.0
24	0.88	4.2	721.0	7.51	12.1	1.90	70.8	612.2	5.46	12.2	0.44	24.1	868.8	3.86	9.8
25	0.41	0.4	263.2	1.09	33.5	0.38	4.4	239.8	2.07	35.8	0.41	3.3	274.4	0.62	31.6
26	0.39	0.4	362.9	3.24	24.3	0.20	6.3	384.2	0.67	22.5	0.18	5.6	392.7	0.62	22.1
27	0.98	3.7	806.3	7.86	10.9	2.06	79.5	683.6	6.32	10.9	0.55	16.6	1010.5	4.50	8.5
28	0.48	0.4	276.6	0.94	31.8	1.00	3.8	262.5	1.65	32.7	1.32	13.9	307.7	0.53	26.6
29	1.27	1.0	871.0	5.16	10.1	2.15	80.7	740.5	3.21	10.2	1.97	63.5	1036.5	3.06	7.8
30	1.16	15.8	785.2	7.66	10.9	2.40	112.4	640.3	4.27	10.8	1.29	80.9	897.4	4.13	8.6
31	0.37	0.4	263.0	1.24	33.5	0.36	3.0	216.5	1.97	39.9	0.18	3.1	246.1	0.60	35.3
32	0.35	0.5	347.7	2.49	25.4	0.36	4.6	343.3	0.66	25.2	0.78	18.2	340.5	0.60	23.9
BAG ACT.	0.71	5.1	543.4	3.88	16.0	1.24	37.5	463.5	3.32	16.9	1.17	28.7	610.0	1.99	13.5
CALC.	0.69	4.9	540.7	4.10	16.1	1.25	37.1	470.2	3.52	16.7	1.13	27.8	610.7	2.01	13.5
33	0.11	0.0	69.3	0.34	127.3	0.11	0.0	79.8	0.15	110.7	1.16	24.2	64.9	0.01	83.2
34	1.87	1.1	867.9	2.88	10.1	1.59	0.7	963.1	1.40	9.2	12.69	246.0	879.9	0.12	6.8
35	1.95	6.8	534.1	1.35	16.1	1.50	1.4	552.5	0.40	15.9	4.23	69.8	672.7	0.25	11.2
36	0.78	2.5	313.4	1.18	27.8	1.28	0.5	393.3	0.18	22.3	2.60	46.3	446.2	0.19	16.8
37	0.70	3.5	343.0	4.04	25.3	0.47	0.4	321.7	0.59	27.4	0.11	0.0	379.9	0.83	23.3
38	0.82	4.7	402.2	0.91	21.5	0.28	0.8	358.0	2.04	24.6	0.08	0.0	462.5	0.63	19.2
39	0.42	0.6	495.2	4.11	17.8	0.25	1.4	420.6	5.13	21.0	0.04	0.0	557.8	1.92	15.9

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	041	1976	OLDS	MNTY	455	042	1976	PLYM	STAV	225	043	1976	PLYM	STAW	318
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	4.19	87.9	1444.8	7.88	5.6	11.66	364.4	583.0	2.09	8.9	9.47	173.8	1124.9	4.40	6.2
2	1.61	33.3	442.5	1.25	17.8	1.54	12.4	288.4	0.59	26.4	3.88	45.4	293.9	1.11	23.5
3	7.75	192.1	1532.3	4.40	4.8	16.99	403.4	797.6	1.42	6.0	16.38	304.7	1079.2	1.40	5.5
4	6.74	55.8	995.3	4.18	8.0	4.40	110.9	685.1	2.28	10.2	5.25	102.6	793.2	2.95	9.1
5	0.92	6.8	847.9	5.60	10.3	3.10	115.3	603.9	1.59	11.2	2.53	23.7	715.2	4.86	11.7
6	0.59	4.4	261.3	0.71	32.9	0.25	3.4	204.3	0.44	42.2	0.54	2.4	223.1	0.23	38.8
7	1.80	48.0	1109.1	10.02	7.5	3.93	140.7	763.9	6.26	8.9	2.88	31.6	926.7	10.81	9.0
8	0.31	1.7	284.0	1.80	30.8	0.24	2.3	225.0	1.88	38.7	0.57	2.3	248.6	1.41	35.0
9	0.79	15.8	837.7	5.63	10.3	2.08	118.5	613.6	3.13	11.0	1.28	3.7	766.6	7.52	11.4
10	1.36	15.4	274.9	1.11	29.3	2.49	6.1	212.1	1.21	38.7	2.75	6.1	250.7	0.96	33.0
11	1.56	50.3	1079.9	7.66	7.6	5.17	207.0	726.8	5.00	8.3	2.26	27.4	969.5	11.89	8.7
12	1.43	16.4	295.6	1.32	27.2	2.25	5.7	223.6	1.44	37.0	3.25	6.1	267.0	1.08	30.9
13	1.46	48.9	1159.6	8.47	7.2	5.68	224.2	750.3	4.19	7.9	2.46	23.3	1006.1	11.43	8.4
14	0.91	9.3	269.6	1.34	30.9	1.05	4.1	202.4	1.08	41.8	1.65	2.2	248.5	1.21	34.5
15	0.61	17.2	334.3	1.03	24.4	0.46	2.8	205.5	0.68	42.0	1.35	19.0	228.9	1.49	33.7
16	6.68	189.8	782.7	0.77	8.1	5.83	209.6	355.6	0.00	12.6	5.87	167.9	409.2	0.00	11.5
17	1.79	43.3	1177.3	7.40	7.1	7.35	292.9	719.0	1.69	7.4	4.03	50.3	906.8	7.47	8.2
18	1.00	15.2	277.7	0.67	29.1	0.76	5.4	206.7	0.28	40.8	1.81	5.3	230.2	0.18	38.3
19	1.86	47.9	1129.6	5.80	7.3	6.13	238.7	685.6	2.38	8.2	3.11	40.7	934.3	7.23	8.8
20	1.51	25.1	330.5	0.73	23.7	2.60	11.5	233.2	0.28	34.2	3.50	13.1	277.0	0.23	28.8
21	2.12	84.0	1292.4	9.90	6.2	6.22	223.5	866.1	7.74	7.2	3.45	38.2	1101.6	13.43	7.6
22	1.34	18.7	316.4	1.41	25.4	3.34	9.5	224.9	1.12	35.4	3.57	12.2	274.7	0.99	29.1
23	2.63	55.3	1278.9	7.32	6.5	8.69	278.4	789.6	1.91	7.1	6.65	105.9	1034.4	4.40	7.3
24	0.78	22.0	903.8	6.02	9.4	3.49	143.2	629.2	3.42	10.3	1.65	12.7	798.0	8.11	10.8
25	0.89	8.7	260.2	1.45	32.1	0.31	4.1	207.6	1.24	41.3	1.24	4.6	219.1	0.80	38.5
26	1.51	28.2	468.1	1.81	17.2	0.70	6.5	288.4	0.87	29.5	2.18	31.7	290.7	1.66	25.6
27	1.21	36.0	1038.2	6.81	8.1	5.05	205.2	660.9	2.70	8.9	2.10	22.8	876.5	8.48	9.7
28	1.39	22.2	311.5	1.35	25.3	3.74	14.5	224.9	0.94	34.2	3.62	15.3	253.9	0.73	30.7
29	2.33	50.7	1130.6	6.74	7.3	6.95	180.6	731.9	2.36	8.6	6.02	98.7	908.7	2.87	8.2
30	0.93	32.9	995.8	6.61	8.4	3.76	153.6	660.8	4.36	9.5	2.14	22.5	866.0	9.30	9.8
31	0.71	6.9	253.9	1.56	33.2	0.26	4.4	197.6	1.26	43.2	0.65	4.1	218.4	0.91	39.1
32	1.45	41.9	453.2	1.15	16.9	1.45	9.4	275.2	0.84	30.1	3.28	39.7	289.6	1.37	24.5
BAG ACT.	1.28	26.9	651.0	3.83	12.7	3.46	83.9	449.9	2.34	15.0	2.80	24.4	557.4	4.01	14.7
CALC.	1.34	28.1	644.2	4.12	12.8	3.58	82.5	455.7	2.45	14.9	2.79	25.4	553.0	4.27	14.7
33	0.87	21.3	104.1	0.07	63.3	1.27	31.6	36.9	0.01	97.9	1.45	25.8	56.6	0.03	87.3
34	10.62	210.9	1286.4	0.88	5.4	14.26	332.1	397.7	0.18	9.2	19.15	323.0	690.5	0.36	7.1
35	6.24	100.2	652.6	0.37	10.7	5.82	173.0	284.6	0.17	15.4	5.99	132.7	516.7	0.41	11.9
36	3.80	64.8	437.2	0.29	16.1	3.33	97.0	255.9	0.25	21.2	3.61	96.7	322.0	0.33	18.3
37	1.01	1.9	380.9	1.66	22.9	0.18	0.0	335.0	0.85	26.5	1.75	22.4	347.6	2.81	22.9
38	0.43	1.0	448.6	1.05	19.7	0.20	1.3	382.1	1.08	23.1	0.80	0.2	428.8	1.03	20.6
39	0.30	0.7	514.6	3.90	17.2	0.40	8.2	443.7	2.92	19.4	0.93	1.5	497.6	3.82	17.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	044	1976	PONT	LEMA	350	045	1976	PONT	GRNP	400	046	1976	DATS	B210	85
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.79	26.9	1351.4	7.75	6.4	5.08	148.6	1304.4	18.10	5.7	3.19	35.8	533.2	3.30	14.8
2	0.05	1.1	414.5	1.37	21.3	3.30	59.5	294.9	0.00	22.3	0.60	3.7	185.1	1.06	46.0
3	0.16	3.5	1492.4	5.07	5.9	12.40	391.0	1147.7	5.28	4.9	3.01	26.7	707.2	1.30	11.7
4	0.12	0.8	936.1	6.41	9.5	3.34	101.3	868.3	8.76	8.5	1.43	9.9	409.9	2.10	20.6
5	0.10	0.5	766.6	7.27	11.6	0.57	14.9	772.4	14.60	11.1	1.21	7.1	356.0	3.14	23.9
6	0.04	0.8	270.8	1.02	32.6	0.14	8.0	218.4	1.64	38.3	0.64	2.3	137.9	2.04	61.9
7	1.24	30.5	965.6	10.47	8.7	1.23	45.4	997.2	16.89	8.3	2.22	46.6	317.0	2.91	22.2
8	0.05	0.9	280.6	2.19	31.5	0.00	5.0	252.1	4.17	34.1	0.80	2.7	155.4	3.71	54.7
9	0.88	26.1	731.6	7.02	11.4	0.07	1.1	807.7	19.67	11.0	1.57	11.8	337.2	6.38	24.6
10	0.05	0.8	277.1	1.41	31.9	2.75	14.1	220.6	2.47	34.2	0.61	2.5	135.9	2.41	62.6
11	1.88	64.9	914.5	8.68	8.7	1.06	38.5	983.8	16.09	8.5	2.53	59.8	376.1	3.64	18.6
12	0.08	1.3	294.7	1.65	29.9	4.14	18.4	250.6	3.27	30.3	0.87	2.9	151.4	2.94	55.9
13	1.63	58.3	965.0	8.98	8.4	0.97	44.1	1032.8	16.24	8.0	2.84	57.4	411.6	4.27	17.4
14	0.06	1.2	260.8	1.62	33.8	2.12	11.6	231.6	2.70	34.6	0.74	2.7	141.9	2.67	59.8
15	0.03	1.3	298.4	1.29	29.5	0.77	22.8	238.4	0.14	32.1	0.77	3.2	137.1	0.98	61.4
16	0.06	4.0	841.0	1.01	10.5	5.43	207.7	490.7	0.00	10.6	1.06	11.2	362.9	0.74	23.1
17	1.13	40.9	1013.7	8.19	8.2	2.00	75.4	1024.4	18.29	7.7	2.44	35.3	438.4	4.42	17.7
18	0.05	2.2	304.2	0.57	28.8	3.05	20.6	212.8	0.45	34.8	0.72	2.8	132.6	1.80	63.8
19	0.88	30.6	952.3	7.39	8.8	1.59	48.7	967.1	13.37	8.5	1.95	18.1	428.1	4.23	19.2
20	0.06	2.8	341.8	0.48	25.6	5.19	32.1	255.0	0.79	27.6	0.83	3.0	146.4	1.96	57.7
21	2.32	80.3	1065.9	9.76	7.4	2.35	96.8	1109.2	17.68	7.0	3.09	75.9	391.7	3.04	17.0
22	0.10	2.4	320.6	1.68	27.3	4.29	25.0	250.3	1.69	29.3	0.71	3.3	144.0	2.61	58.6
23	0.19	7.6	1194.7	9.21	7.4	3.14	112.2	1143.6	10.37	6.7	2.58	23.9	525.3	3.25	15.5
24	1.07	40.1	773.6	6.11	10.6	0.38	20.2	828.6	13.81	10.3	1.54	14.3	370.1	5.29	22.3
25	0.07	1.5	270.9	1.77	32.5	1.68	10.4	246.6	2.18	33.1	0.72	2.4	138.7	2.84	61.3
26	0.05	4.3	425.9	1.43	20.5	1.74	42.1	329.6	0.03	22.1	0.91	4.6	151.5	1.17	54.9
27	1.48	52.8	854.8	7.34	9.4	1.23	52.0	901.1	17.09	9.0	1.98	22.9	397.8	5.97	20.2
28	0.07	2.4	310.7	1.27	28.2	4.18	27.7	239.2	1.45	30.0	0.69	2.9	144.0	2.43	58.9
29	0.29	14.2	1078.0	5.36	8.1	3.48	141.6	960.1	10.64	7.4	1.96	19.5	490.8	2.85	16.5
30	1.65	63.8	840.5	6.53	9.4	0.59	25.0	902.0	13.87	9.4	1.99	40.5	364.7	3.62	20.4
31	0.10	2.9	260.9	1.76	33.4	1.07	15.9	228.0	1.80	34.6	0.78	3.0	143.3	3.18	59.0
32	0.07	5.0	431.1	1.21	20.2	2.86	49.9	312.1	0.00	22.2	0.85	4.5	147.7	1.08	56.4
BAG ACT.	0.53	17.6	585.3	4.23	14.4	2.36	42.5	572.2	7.09	13.7	1.31	15.8	267.9	3.48	29.9
CALC.	0.53	18.2	590.8	4.41	14.3	2.18	42.1	565.4	7.89	13.9	1.38	16.3	267.1	3.71	29.9
33	0.03	0.0	103.6	0.16	85.6	1.87	36.2	60.0	0.01	72.3	0.12	1.1	28.4	0.02	290.3
34	0.95	0.0	1199.2	1.78	7.4	18.10	392.4	748.9	0.10	6.2	1.77	23.4	431.8	0.28	18.7
35	0.70	0.0	602.7	0.78	14.7	5.53	156.0	556.0	0.20	10.8	0.82	6.9	444.3	0.84	19.4
36	0.58	0.0	499.4	0.84	17.7	3.01	97.6	376.8	0.16	16.4	0.61	5.6	294.2	0.62	29.1
37	0.11	0.0	419.9	2.31	21.1	0.22	0.8	383.8	1.28	23.0	0.62	2.6	217.0	1.45	39.8
38	0.05	0.0	442.3	2.33	20.1	0.00	0.0	422.7	4.95	21.0	0.86	1.7	196.4	3.27	44.0
39	0.05	0.0	493.6	5.32	18.0	0.00	0.0	526.9	11.75	16.8	0.96	2.2	250.6	6.27	34.5

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	047	1976	DATS	STAW	119	048	1976	TOYO	CORO	97	049	1976	TOYO	CELI	133
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	3.34	85.7	678.9	4.25	10.8	3.40	28.5	658.9	5.26	12.4	2.79	13.0	927.6	9.77	9.3
2	0.78	3.8	216.3	1.26	39.5	0.29	8.8	312.1	0.92	27.2	0.26	7.1	326.5	0.42	26.2
3	2.60	39.9	981.1	3.09	8.4	0.64	23.5	880.1	1.70	8.6	3.17	37.2	950.2	2.09	8.7
4	1.69	16.2	491.9	4.37	17.0	0.89	13.2	458.7	2.67	18.4	1.17	16.3	643.3	3.42	13.2
5	1.47	20.4	424.2	5.80	19.3	1.30	10.2	385.0	5.59	21.9	0.75	6.6	587.4	5.05	14.8
6	0.39	3.7	160.3	1.84	53.0	0.22	5.2	168.1	1.14	50.1	0.79	3.1	221.6	1.91	38.8
7	2.86	80.3	467.2	5.53	14.7	0.76	37.6	478.0	4.05	16.5	3.10	96.3	597.0	5.57	11.7
8	0.39	5.2	193.5	3.41	43.7	0.28	3.1	177.4	2.47	48.5	0.67	3.3	261.4	3.14	33.0
9	1.46	22.7	427.5	7.78	19.0	0.73	8.6	390.9	6.75	21.8	1.53	37.0	553.2	5.21	14.4
10	1.04	4.4	167.4	2.49	49.9	0.23	3.3	173.9	1.72	49.4	1.63	3.6	234.6	2.22	36.2
11	2.33	52.3	500.4	8.96	15.0	2.08	23.9	491.6	5.25	16.6	2.79	89.6	642.9	6.02	11.2
12	0.97	4.5	171.3	2.92	48.9	0.32	3.6	187.5	2.06	45.7	3.34	4.3	231.5	2.42	35.7
13	2.27	39.7	536.9	10.86	14.6	1.57	18.1	520.9	6.14	16.0	2.15	48.1	717.9	7.11	11.1
14	0.77	4.7	167.8	2.68	50.0	0.21	3.7	163.6	1.79	52.2	2.14	3.4	219.1	2.29	38.4
15	0.51	5.5	145.3	0.86	57.1	0.17	8.0	211.4	0.27	39.5	0.75	12.9	224.0	0.82	36.0
16	1.01	23.0	407.3	0.51	19.9	0.34	22.2	576.9	0.28	14.5	1.16	23.5	535.3	0.15	15.4
17	2.28	44.3	540.3	7.14	14.4	2.34	22.5	518.7	5.54	15.8	1.57	11.3	740.8	8.28	11.6
18	0.48	4.9	157.6	1.56	53.2	0.19	5.5	179.3	0.94	47.1	1.02	3.8	203.9	1.23	41.7
19	2.25	35.6	506.9	6.62	15.6	1.60	13.4	492.4	5.38	17.1	1.56	16.9	665.4	7.61	12.7
20	0.90	5.7	173.7	1.61	47.8	0.24	7.5	214.7	1.19	39.0	1.10	4.8	243.5	1.44	34.9
21	3.70	107.4	532.4	5.98	12.4	2.90	46.9	572.9	4.02	13.5	3.31	114.6	721.2	6.35	9.7
22	1.17	5.7	174.1	2.44	47.5	0.25	5.1	202.8	1.73	41.9	2.35	4.3	229.6	2.16	36.4
23	3.19	50.9	616.4	5.69	12.6	1.95	20.9	614.4	4.28	13.6	1.34	14.7	818.6	5.58	10.5
24	1.47	18.2	454.9	9.50	18.2	0.87	10.8	420.0	6.21	20.2	1.21	28.4	586.5	5.24	14.0
25	0.54	5.7	160.9	2.58	51.7	0.23	3.9	171.4	1.99	49.8	2.73	3.3	213.8	2.46	39.0
26	0.75	11.2	198.4	1.25	40.6	0.22	11.6	271.5	0.45	30.5	0.86	17.8	292.5	0.93	27.5
27	1.95	28.3	496.2	9.71	16.2	1.10	12.5	471.9	6.19	17.9	1.25	18.8	667.2	7.26	12.7
28	1.05	6.4	178.5	2.47	46.2	0.24	5.5	198.1	1.76	42.8	1.47	5.0	257.0	2.27	32.9
29	2.72	40.3	577.7	5.63	13.7	1.62	21.6	581.4	3.94	14.3	1.15	19.0	742.8	4.35	11.4
30	1.67	33.5	483.1	9.33	16.4	0.94	16.1	456.5	6.20	18.2	2.11	65.8	607.1	4.96	12.4
31	0.47	5.8	160.8	2.34	51.8	0.25	4.0	170.2	2.16	50.1	1.87	3.9	226.3	2.77	37.2
32	0.88	10.9	199.3	1.09	40.5	0.20	12.1	261.7	0.38	31.5	0.52	18.2	291.4	0.55	27.6
BAG ACT.	1.39	19.6	336.2	5.05	23.9	0.65	10.6	329.9	3.28	25.5	1.42	20.5	448.7	4.04	18.3
CALC.	1.45	20.3	340.8	5.23	23.5	0.69	10.9	336.8	3.38	24.9	1.44	20.6	447.9	4.23	18.3
33	0.08	3.6	45.0	0.00	174.2	0.03	2.3	72.4	0.04	116.8	0.31	4.6	68.6	0.11	115.6
34	1.06	62.6	580.0	0.05	13.0	0.47	36.1	649.6	0.31	12.5	2.95	22.6	859.8	1.28	9.8
35	0.81	13.2	549.9	1.07	15.5	0.27	16.0	612.9	0.58	13.9	1.33	11.8	439.2	0.53	19.2
36	0.70	11.7	338.0	0.69	24.8	0.20	11.[illegible]	374.1	0.34	22.6	0.89	12.0	328.3	0.51	25.4
37	0.47	3.7	279.7	1.79	30.9	0.32	8.3	267.8	1.09	31.5	0.14	6.5	362.6	0.84	23.8
38	0.60	5.6	259.6	3.01	32.8	0.43	7.2	237.3	2.30	35.5	0.48	3.5	346.1	3.93	25.1
39	0.59	9.3	331.3	6.25	25.5	0.66	4.0	290.6	5.44	29.7	0.27	4.0	430.3	6.01	20.3

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

HOUSTON

	VHE	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	050	1976	VOLK	STAW	97	051	1976	VOLK	RABB	97
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	3.77	83.1	638.6	5.76	11.3	0.86	11.7	700.5	4.60	12.3
2	1.60	30.1	175.1	0.45	39.0	0.22	0.3	303.0	1.19	29.2
3	6.84	200.9	600.3	0.72	9.5	0.34	0.5	849.0	3.53	10.4
4	2.41	52.8	442.7	2.74	16.8	0.40	0.7	471.9	4.20	18.7
5	2.10	27.0	412.0	4.29	19.2	0.48	5.3	434.1	5.37	20.0
6	0.73	9.4	138.6	0.82	57.0	0.12	0.2	185.3	1.60	47.7
7	3.00	61.6	502.8	6.59	14.6	0.62	10.3	514.0	5.24	16.6
8	0.80	9.7	152.3	1.30	52.2	0.11	0.3	197.4	2.25	44.8
9	2.04	25.0	416.4	5.03	19.2	0.37	0.9	437.1	7.24	20.2
10	3.04	13.7	136.7	0.83	52.9	0.09	0.3	199.2	1.66	44.4
11	2.59	45.7	502.4	7.71	15.2	0.54	17.5	519.6	6.98	16.2
12	2.92	14.4	135.3	0.99	53.1	0.09	0.3	214.6	1.71	41.2
13	3.01	51.0	515.0	7.64	14.7	0.52	18.8	549.7	6.34	15.3
14	1.63	11.8	135.2	0.95	55.8	0.06	0.2	178.6	1.51	49.5
15	1.23	23.9	136.4	0.24	49.9	0.06	0.2	220.3	0.77	40.2
16	2.51	94.7	338.3	0.07	17.9	0.21	0.5	604.0	0.63	14.7
17	3.34	56.0	516.2	6.65	14.4	0.61	20.1	551.0	4.87	15.2
18	1.51	14.4	127.2	0.72	57.4	0.08	0.2	197.0	1.24	44.9
19	2.67	44.2	503.9	5.58	15.3	0.52	11.3	517.0	4.98	16.5
20	2.72	16.7	135.7	0.67	51.1	0.10	0.2	235.2	1.29	37.6
21	3.60	71.6	572.6	9.02	12.7	1.19	52.7	567.5	4.32	13.6
22	3.52	16.7	139.5	0.96	50.1	0.10	0.3	212.8	1.53	41.6
23	4.62	89.5	543.5	3.46	12.7	0.38	3.8	628.2	4.13	14.0
24	2.15	32.7	435.3	6.14	18.0	0.40	5.2	459.8	6.63	18.9
25	1.14	10.9	134.1	1.04	57.3	0.08	0.3	190.8	1.82	46.3
26	1.67	31.4	182.6	0.47	37.4	0.10	0.3	319.2	1.06	27.7
27	2.70	43.9	463.7	6.38	16.4	0.42	6.6	495.0	5.80	17.5
28	3.66	17.9	146.8	0.90	47.6	0.09	0.3	218.9	1.50	40.4
29	4.15	80.9	493.7	3.06	14.0	0.36	3.1	586.1	4.06	15.0
30	2.42	40.5	471.7	7.29	16.3	0.51	10.6	495.7	6.60	17.3
31	0.88	9.6	126.1	1.14	61.6	0.08	0.3	177.2	1.61	49.9
32	1.90	33.8	183.9	0.40	36.5	0.10	0.3	314.3	0.91	28.2
BAG ACT.	2.64	32.9	306.0	3.08	24.3	0.26	4.9	356.5	3.63	24.3
CALC.	2.73	33.3	311.1	3.26	23.9	0.27	4.7	364.4	3.74	23.8
33	0.47	18.7	53.1	0.04	105.7	0.09	0.0	76.2	0.04	116.0
34	6.67	228.5	435.9	0.16	10.9	0.33	0.0	914.3	0.42	9.7
35	2.66	92.6	394.6	0.28	16.2	0.85	0.1	527.3	1.75	16.7
36	1.74	61.6	284.9	0.21	22.9	0.19	0.0	341.4	0.55	25.9
37	1.26	23.5	209.7	0.61	35.4	0.11	0.3	285.0	2.00	31.1
38	1.19	12.4	243.4	1.71	33.3	0.14	0.3	268.7	3.37	32.9
39	1.38	15.0	296.4	3.04	27.4	0.14	0.5	342.8	4.40	25.8

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)
FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)
FUEL ECONOMY CALCULATIONS ASSUME A 1:1.85 CARBON TO HYDROGEN RATIO

APPENDIX H

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

	VEH 701	YEAR 1968	MAKE MERB	MODL 220D	CID 134	VEH 702	YEAR 1965	MAKE MERB	MODL 190D	CID 121	VEH 703	YEAR 1974	MAKE MERB	MODL 240D	CID 147
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.74	2.3	556.3	2.18	18.1	5.17	17.5	640.9	1.82	14.9	1.12	4.4	760.3	2.11	13.2
2	0.21	0.8	170.2	0.81	59.1	1.86	3.6	202.6	0.92	47.5	0.89	1.5	174.3	0.59	56.7
3	0.76	2.2	589.4	2.71	17.1	3.59	4.0	638.1	2.60	15.5	2.56	2.9	934.3	3.18	10.7
4	0.36	1.5	399.7	1.86	25.2	1.99	3.7	457.7	1.72	21.7	0.80	1.4	553.4	1.96	18.2
5	0.22	1.1	358.1	1.66	28.2	2.29	5.8	443.7	1.68	22.1	0.52	1.3	481.2	1.69	21.0
6	0.10	0.5	135.2	0.73	74.7	0.68	1.6	[illegible]	0.77	66.1	0.38	0.7	130.0	0.53	76.9
7	0.31	1.9	403.4	1.45	25.0	2.44	19.1	[illegible]	1.00	22.8	0.23	1.7	540.3	1.67	18.7
8	0.23	1.1	184.1	1.13	54.6	1.42	2.6	[illegible]	1.17	42.8	1.08	1.4	181.4	0.85	54.4
9	0.21	1.1	385.7	1.70	26.2	1.36	14.7	459.2	1.45	20.9	0.23	1.1	533.7	1.91	19.0
10	0.20	0.8	130.8	0.83	76.7	1.26	2.1	148.8	0.82	65.2	1.28	1.4	134.4	0.62	72.3
11	0.33	2.4	494.2	1.91	20.8	1.85	23.9	516.2	1.31	18.2	0.31	2.1	662.3	2.19	15.3
12	0.22	0.8	134.0	0.87	74.8	1.31	2.5	166.4	0.91	58.3	0.88	1.3	132.0	0.65	74.4
13	0.33	2.5	517.0	2.08	19.5	2.13	27.5	548.2	1.42	17.0	0.32	2.9	719.9	2.41	14.0
14	0.18	0.8	137.3	0.87	73.2	1.18	2.6	155.5	0.86	62.3	1.16	1.4	137.0	0.66	71.2
15	0.17	0.5	122.6	0.63	82.1	0.57	1.6	130.1	0.58	75.7	0.36	0.5	145.6	0.56	69.0
16	0.49	2.0	358.8	1.79	28.0	1.95	6.2	387.0	1.58	25.3	1.69	2.4	397.2	1.39	25.0
17	0.41	2.4	511.5	2.04	19.7	3.45	29.5	597.1	1.57	15.5	0.63	2.7	688.3	2.14	14.7
18	0.11	0.4	112.3	0.62	89.8	0.54	1.9	125.5	0.60	78.1	0.53	0.7	118.2	0.48	84.1
19	0.27	1.6	450.4	2.00	22.4	2.96	22.9	544.9	1.63	17.2	0.56	1.7	625.6	2.12	16.2
20	0.11	0.5	118.5	0.67	85.0	0.63	2.4	147.9	0.78	66.2	0.62	0.8	138.4	0.53	71.8
21	0.33	2.4	478.7	1.83	21.0	2.61	24.5	482.8	1.25	19.2	0.37	2.3	691.0	2.27	14.6
22	0.23	0.9	135.2	0.86	74.1	1.29	5.4	170.4	0.79	55.6	1.06	1.1	131.8	0.61	74.3
23	0.38	1.9	524.2	2.38	19.3	2.72	21.4	654.4	1.97	14.6	0.82	3.8	835.0	2.69	12.1
24	0.25	1.9	424.3	1.83	23.8	1.90	18.8	473.8	1.48	20.0	0.32	1.9	583.7	2.04	17.3
25	0.22	0.9	135.2	0.87	74.1	1.08	2.1	157.4	0.86	62.0	0.98	1.2	133.8	0.63	73.3
26	0.19	0.7	146.8	0.82	68.5	0.63	2.3	157.4	0.71	62.4	0.60	0.7	190.5	0.70	52.6
27	0.28	2.0	464.3	2.01	21.7	2.56	31.7	571.5	1.50	16.2	0.36	2.0	626.6	2.21	16.1
28	0.22	0.9	136.6	0.85	73.4	1.23	2.5	153.5	0.81	63.1	1.21	1.2	140.3	0.65	69.7
29	0.37	1.9	514.6	2.40	19.6	2.14	8.9	596.0	2.09	16.5	0.88	2.2	711.0	2.50	14.2
30	0.26	1.9	431.1	1.79	23.4	1.93	16.8	467.1	1.46	20.4	0.34	1.9	618.1	2.10	16.4
31	0.20	1.0	142.2	0.94	70.5	1.21	2.3	167.0	0.91	58.3	1.05	1.3	139.8	0.68	70.1
32	0.18	0.6	132.2	0.74	76.0	0.72	2.2	137.0	0.60	71.3	0.46	0.5	160.3	0.60	62.6
BAG ACT.	0.24	1.3	304.6	1.45	33.1	1.66	13.2	360.3	1.26	26.3	0.63	1.6	384.2	1.44	26.2
CALC.	0.24	1.4	306.8	1.48	32.9	1.66	13.1	368.4	1.27	25.8	0.63	1.5	387.3	1.46	26.0
33	0.08	0.2	31.0	0.14	323.1	0.19	0.3	26.9	0.13	363.6	0.15	0.1	30.6	0.12	325.1
34	2.15	3.7	467.6	1.94	21.2	3.78	5.3	495.7	2.88	19.7	3.49	3.8	477.7	1.49	20.6
35	0.70	2.4	497.8	2.06	20.2	4.91	11.0	542.5	2.45	17.7	3.93	7.0	571.4	1.54	17.1
36	0.69	1.5	303.3	1.36	33.1	1.94	4.2	315.0	1.37	31.0	1.31	2.6	341.0	1.02	29.1
37	0.34	0.9	243.7	1.12	41.3	2.35	5.0	273.8	1.30	35.2	1.00	2.0	283.6	0.86	35.1
38	0.22	0.7	233.0	1.20	43.4	0.73	1.8	249.2	1.31	40.0	0.48	0.9	266.5	1.04	37.8
39	0.15	1.3	300.9	1.80	33.5	0.99	3.0	336.5	1.82	29.6	0.28	1.3	352.8	1.78	28.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	704	1970	MERB	220D	141	705	1969	MERB	220D	134	706	1967	MERB	SEDA	121
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.84	2.7	805.8	3.44	12.5	3.83	9.7	734.9	2.06	13.4	4.30	12.7	786.3	2.05	12.4
2	0.31	0.7	174.6	0.99	57.6	0.60	0.0	142.8	0.58	70.3	1.19	1.6	129.7	0.57	74.8
3	0.60	2.1	590.5	2.49	17.1	2.45	2.7	870.5	3.19	11.5	4.51	5.3	728.5	2.61	13.5
4	0.59	1.5	488.9	2.20	20.6	1.28	2.7	607.4	2.18	16.5	1.68	3.3	468.5	1.81	21.2
5	0.79	1.3	486.7	2.18	20.7	0.96	5.3	556.7	1.99	17.9	1.16	0.0	288.4	1.59	34.0
6	0.26	0.7	168.4	0.87	59.7	0.28	0.3	100.7	0.48	99.7	0.70	1.1	97.3	0.45	100.5
7	0.71	1.6	469.9	2.08	21.4	0.70	7.4	497.8	1.43	19.9	1.15	10.7	457.6	1.24	21.3
8	0.63	1.9	317.6	1.57	31.5	0.52	1.7	149.0	0.84	66.4	1.63	1.9	144.3	0.80	66.8
9	1.21	4.5	526.2	2.34	18.9	0.83	10.0	523.1	1.75	18.8	0.81	2.7	439.4	1.54	22.8
10	0.61	1.3	159.8	0.91	62.2	0.51	0.9	110.1	0.63	89.9	1.36	1.5	105.3	0.61	90.8
11	0.77	2.6	556.1	2.42	18.1	0.67	11.9	619.8	1.89	15.9	0.88	10.6	563.6	1.58	17.5
12	0.53	1.6	205.4	1.13	48.5	0.56	1.8	109.0	0.66	89.5	1.50	1.7	101.3	0.61	93.6
13	0.81	3.8	660.4	2.97	15.2	0.87	15.2	658.8	2.07	14.8	1.07	11.0	610.6	1.80	16.1
14	0.52	1.5	182.6	1.05	54.5	0.61	1.6	117.7	0.71	83.3	1.60	1.7	106.8	0.63	88.8
15	0.27	0.7	155.4	0.90	64.6	0.38	0.0	102.8	0.50	97.8	0.77	0.9	110.7	0.48	88.9
16	1.02	1.6	338.9	1.79	29.5	1.00	4.8	276.4	1.18	35.4	2.08	3.1	300.6	1.17	32.6
17	1.09	2.7	701.4	3.08	14.4	1.27	12.2	666.5	2.00	14.8	1.67	9.7	589.8	1.68	16.7
18	0.26	0.7	153.8	0.84	65.3	0.32	0.8	95.3	0.48	104.3	0.85	1.2	90.5	0.42	108.9
19	0.98	2.3	593.8	2.68	16.9	0.87	10.6	633.9	2.09	15.6	1.20	7.4	553.6	1.70	17.9
20	0.32	0.8	157.0	0.85	63.9	0.32	1.0	94.5	0.48	104.6	0.87	1.2	92.9	0.43	104.3
21	0.72	2.2	586.9	2.60	17.2	0.76	11.8	596.6	1.74	16.5	0.90	11.1	585.1	1.52	18.0
22	0.41	1.3	206.6	1.13	48.5	0.57	2.2	111.7	0.64	87.0	1.48	1.5	101.2	0.59	94.0
23	1.07	2.3	689.9	3.01	14.6	1.20	7.0	737.5	2.73	13.5	2.26	6.3	662.5	2.16	15.0
24	0.89	3.7	569.5	2.55	17.6	0.60	9.4	535.0	1.87	18.4	0.66	6.2	495.5	1.62	20.0
25	0.59	1.5	184.4	1.05	54.0	0.54	1.8	123.0	0.74	79.7	1.48	1.7	110.0	0.63	86.7
26	0.37	1.0	196.4	1.10	51.1	0.45	2.3	128.9	0.62	75.9	0.97	0.9	115.8	0.50	84.6
27	1.12	5.2	655.2	2.86	15.3	0.71	10.9	612.6	2.08	16.1	0.98	7.3	525.4	1.79	18.8
28	0.66	1.4	145.0	0.85	68.2	0.60	2.2	120.1	0.67	81.1	1.73	1.7	106.6	0.59	88.7
29	0.64	1.8	615.5	2.70	16.4	1.08	4.2	654.3	2.71	15.3	2.46	4.7	586.2	2.02	16.9
30	0.75	2.7	537.4	2.41	18.7	0.62	9.3	528.3	1.75	18.7	0.76	7.8	524.0	1.63	18.9
31	0.39	1.2	202.3	1.12	49.5	0.52	1.9	107.9	0.64	90.5	1.47	1.7	112.5	0.67	85.0
32	0.35	0.9	163.7	0.92	61.2	0.44	2.3	106.2	0.53	91.5	0.88	0.9	115.6	0.50	84.9
BAG ACT.	0.71	3.0	418.1	1.88	23.9	0.69	5.9	362.9	1.43	27.2	1.33	4.5	323.7	1.22	30.4
CALC.	0.71	2.9	415.4	1.92	24.1	0.69	5.9	363.1	1.43	27.2	1.33	4.3	320.4	1.22	30.7
33	0.06	0.2	48.2	0.22	208.9	0.06	0.1	25.2	0.12	396.8	0.43	0.4	24.8	0.08	378.1
34	0.78	3.7	528.8	2.42	18.9	1.30	3.6	511.7	2.17	19.5	6.56	6.1	468.2	1.57	20.4
35	0.58	1.9	350.4	1.51	28.7	1.56	5.2	542.0	2.00	18.3	2.57	4.2	536.0	2.01	18.5
36	0.64	2.5	377.6	1.73	26.5	0.66	2.7	337.5	1.31	29.6	1.31	2.2	298.0	1.09	33.3
37	0.70	0.8	229.8	1.17	43.9	0.52	1.8	266.9	1.09	37.5	1.27	1.8	242.0	1.02	40.9
38	0.43	1.1	292.5	1.41	34.4	0.35	1.3	253.9	1.25	39.6	1.13	1.8	227.5	1.01	43.5
39	0.57	1.5	381.5	2.02	26.4	0.82	2.8	333.8	2.05	29.9	1.38	2.3	294.4	1.54	33.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

	VEH	YKAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	707	1974	MERB	240D	147	708	1973	MERB	220D	141	709	1965	MERB	190D	121
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	1.11	2.0	597.5	2.03	16.8	0.60	8.8	767.5	2.57	13.0	0.83	5.1	647.8	2.12	15.5
2	0.35	0.7	172.9	0.73	58.1	0.16	0.7	126.7	0.61	79.3	1.23	2.8	221.9	1.14	44.2
3	0.79	1.3	575.7	2.40	17.5	0.37	1.3	749.3	3.22	13.5	1.30	2.6	670.6	2.92	15.0
4	0.46	1.1	463.1	1.86	21.8	0.34	1.6	511.8	2.13	19.7	0.61	2.8	488.4	2.01	20.6
5	0.38	1.0	428.8	1.71	23.6	0.21	5.5	468.9	1.56	21.3	0.74	2.9	438.1	1.90	22.9
6	0.13	0.3	145.7	0.68	69.4	0.14	0.6	157.5	0.79	64.0	0.29	1.3	154.4	0.81	64.6
7	0.37	1.9	400.8	1.34	25.1	2.50	21.4	649.2	2.39	14.7	0.29	4.5	455.1	1.41	22.0
8	1.05	1.9	208.6	1.08	47.4	0.65	1.9	217.8	1.30	45.7	1.42	2.5	206.5	1.22	47.4
9	0.37	2.5	434.8	1.64	23.1	2.32	21.3	634.0	2.36	15.1	0.33	4.1	471.4	1.71	21.2
10	0.70	1.2	137.2	0.73	72.0	0.79	1.8	135.2	0.79	72.4	1.40	1.8	150.1	0.91	64.6
11	0.47	3.1	509.5	1.86	19.7	3.81	35.3	741.0	2.57	12.6	0.36	6.3	570.4	1.86	17.5
12	0.81	1.4	146.9	0.81	67.1	0.86	1.8	147.3	0.92	66.6	1.30	2.0	166.5	1.06	58.6
13	0.57	4.9	597.1	2.23	16.8	3.47	34.9	740.4	2.58	12.6	0.47	7.5	605.8	2.06	16.4
14	0.73	1.3	143.1	0.78	69.0	0.85	2.1	124.8	0.74	77.8	1.40	1.9	151.4	0.95	64.1
15	0.14	0.0	134.3	0.66	75.5	0.18	1.6	132.4	0.68	75.1	0.14	0.8	151.8	0.85	66.3
16	0.51	3.1	399.4	1.83	25.1	0.53	6.2	335.2	1.53	29.3	0.62	4.1	433.8	2.10	23.0
17	0.75	3.8	591.9	2.14	17.0	0.51	14.9	697.1	2.29	14.1	0.50	4.4	600.1	2.19	16.7
18	0.17	0.4	122.8	0.61	82.1	0.17	1.6	126.0	0.67	78.9	0.35	1.3	127.0	0.68	78.2
19	0.62	3.6	551.6	2.07	18.2	1.21	12.8	613.8	2.08	16.0	0.47	3.3	547.7	2.17	18.4
20	0.18	1.0	129.6	0.63	77.3	0.14	2.5	105.6	0.54	92.6	0.32	1.4	155.4	0.82	64.2
21	0.51	2.9	506.1	1.82	19.9	4.25	38.1	805.0	2.76	11.6	0.41	6.7	570.5	1.81	17.5
22	0.84	1.4	145.3	0.79	67.7	0.87	2.9	152.8	0.89	63.6	1.37	1.9	167.7	1.03	58.1
23	0.65	4.1	634.2	2.34	15.8	0.35	7.6	676.8	2.42	14.8	0.66	3.9	627.9	2.54	16.0
24	0.47	3.0	470.3	1.79	21.4	3.11	29.6	603.7	2.15	15.4	0.58	5.3	500.3	1.85	19.9
25	0.76	1.5	145.1	0.78	67.9	0.58	2.6	149.8	0.91	65.4	1.39	2.1	161.8	0.99	60.1
26	0.14	0.0	157.7	0.79	64.4	0.19	4.6	109.8	0.56	86.6	0.15	0.8	197.0	1.08	51.2
27	0.58	4.2	547.2	2.09	18.3	2.18	25.8	680.7	2.46	14.0	0.37	3.5	545.5	2.10	18.4
28	1.27	1.8	141.1	0.74	68.8	0.87	4.0	155.6	0.89	61.8	1.59	2.0	164.9	0.97	58.8
29	0.73	3.4	588.1	2.20	17.1	0.25	6.9	617.6	2.39	16.2	1.14	3.7	614.8	2.63	16.3
30	0.43	3.0	473.5	1.79	21.2	3.68	32.9	657.8	2.31	14.1	0.53	4.5	493.7	1.80	20.3
31	0.65	1.6	158.7	0.85	62.4	0.45	2.3	103.8	0.64	93.4	1.38	2.2	154.3	0.98	62.8
32	0.13	1.5	134.5	0.66	74.1	0.17	5.9	131.6	0.66	71.9	0.15	0.9	194.8	1.04	51.7
BAG ACT.	0.50	2.3	349.8	1.44	28.7	1.13	10.7	411.9	1.70	23.5	0.82	3.6	362.2	1.56	27.5
CALC.	0.50	2.3	347.6	1.44	28.8	1.13	11.4	411.4	1.74	23.5	0.82	3.5	362.1	1.57	27.5
33	0.05	0.1	28.1	0.14	358.1	0.04	0.2	50.8	0.25	198.7	0.11	0.3	38.8	0.19	257.0
34	0.53	2.1	470.8	2.09	21.4	0.26	2.1	582.0	2.67	17.4	0.86	2.9	503.8	2.52	19.9
35	1.09	6.3	536.2	1.97	18.5	0.29	1.6	343.7	1.26	29.3	1.75	6.7	577.8	2.59	17.1
36	[illegible]	2.3	322.7	1.36	31.1	0.38	2.2	378.4	1.58	26.6	0.34	3.1	346.1	1.56	28.9
37	0.38	2.0	262.9	1.01	38.1	0.12	0.6	231.1	1.03	43.8	1.45	3.6	296.5	1.41	33.2
38	0.19	1.0	246.4	1.10	41.0	0.16	0.7	292.5	1.42	34.6	0.20	1.6	258.4	1.29	38.9
39	0.20	1.4	335.9	1.67	30.0	0.13	0.8	390.8	2.30	25.9	1.60	4.3	331.6	1.93	29.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

APPENDIX H,CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	710	1976	MERB	300D	183	711	1974	PEUG	504D	129	712	1974	MERB	240D	147
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.48	1.4	811.8	3.54	12.5	4.90	6.7	717.4	1.45	13.7	0.48	2.6	772.8	3.03	13.1
2	0.21	0.5	160.7	0.82	55.9	3.60	3.2	145.1	0.46	62.7	0.15	0.6	156.8	0.90	64.3
3	0.45	1.2	608.4	2.95	16.6	7.54	8.4	622.2	1.49	15.4	0.36	1.8	771.4	3.91	13.1
4	0.34	1.3	594.2	2.65	17.0	3.63	4.0	504.6	1.26	19.5	0.33	1.3	495.7	2.10	20.4
5	0.17	0.8	532.7	2.40	19.1	1.93	2.3	452.3	1.28	22.0	0.21	1.1	461.2	1.80	21.9
6	0.10	0.5	158.4	0.73	63.8	1.70	1.6	126.6	0.44	75.6	0.15	0.6	141.5	0.85	71.2
7	0.17	1.0	742.5	3.31	13.7	1.59	3.0	460.7	1.07	21.6	0.45	5.2	637.6	2.47	15.7
8	0.07	0.6	225.0	1.19	45.0	1.57	1.7	168.0	0.65	58.0	0.77	1.6	204.6	1.26	48.6
9	0.11	0.6	532.2	2.30	19.1	1.25	2.0	480.5	1.34	20.9	0.31	2.1	526.3	2.24	19.2
10	0.08	0.5	149.2	0.77	67.7	1.45	1.3	135.7	0.53	71.5	0.60	1.3	123.9	0.82	79.5
11	0.14	0.9	785.1	3.51	12.9	1.84	3.6	595.5	1.43	16.8	0.56	7.7	767.4	3.08	13.0
12	0.08	0.4	158.5	0.93	63.8	1.35	1.2	114.7	0.50	84.2	0.68	1.2	143.8	1.00	68.8
13	0.13	0.9	840.5	4.14	12.1	1.71	3.8	650.2	1.69	15.4	0.52	7.1	758.8	3.08	13.2
14	0.07	0.5	155.5	0.83	65.0	1.12	1.1	129.4	0.56	75.6	0.64	1.2	111.9	0.76	87.8
15	0.14	0.4	161.4	0.75	62.7	1.91	1.8	100.5	0.37	92.9	0.16	0.5	130.4	0.74	77.3
16	0.55	0.9	363.9	1.75	27.7	6.89	6.7	293.3	1.01	31.2	0.33	1.1	318.5	1.64	31.7
17	0.17	1.0	766.6	3.65	13.2	2.41	3.9	571.3	1.40	17.4	0.36	3.5	705.3	2.60	14.3
18	0.10	0.4	141.3	0.64	71.5	1.40	1.2	87.3	0.35	104.7	0.16	0.7	125.8	0.75	80.0
19	0.20	0.8	648.0	2.88	15.7	2.33	3.4	534.2	1.44	18.6	0.48	4.2	718.2	2.84	14.0
20	0.12	0.4	154.9	0.74	65.3	1.60	1.3	99.7	0.41	95.3	0.15	0.7	122.2	0.73	82.3
21	0.15	0.9	866.3	3.89	11.7	1.72	4.0	592.6	1.48	16.8	0.50	7.9	828.0	3.32	12.1
22	0.08	0.5	155.5	0.84	65.0	1.25	1.1	121.4	0.52	80.0	0.67	1.3	150.6	1.00	65.8
23	0.20	1.0	740.7	3.46	13.7	3.13	4.8	658.2	1.73	15.1	0.27	1.8	680.2	2.65	14.7
24	0.08	0.6	575.2	2.45	17.7	1.32	2.7	513.5	1.44	[illegible]	0.28	2.5	523.8	2.16	19.2
25	0.06	0.5	155.3	0.82	65.1	1.09	1.1	135.5	0.57	72.3	0.68	1.2	112.0	0.75	87.7
26	0.19	0.4	211.0	0.97	47.9	1.92	1.7	103.8	0.41	90.4	0.17	0.7	186.1	1.02	54.2
27	0.12	0.8	705.1	3.55	14.4	1.48	2.8	529.0	1.50	18.9	0.29	3.7	680.5	2.76	15.5
28	0.09	0.5	162.5	0.84	62.2	1.32	1.2	126.9	0.52	76.5	0.69	1.4	156.2	0.99	63.4
29	0.25	1.0	687.1	3.29	14.8	2.78	4.0	590.7	1.68	16.8	0.28	1.7	645.4	2.65	15.7
30	0.12	0.8	729.6	3.46	13.9	1.51	3.0	511.3	1.34	19.5	0.73	0.7	732.7	2.87	13.6
31	0.06	0.4	161.6	0.89	62.6	0.96	1.0	129.0	0.56	76.1	0.64	1.3	151.8	1.01	65.3
32	0.14	0.3	205.8	0.94	49.2	2.39	2.1	112.0	0.39	82.6	0.21	0.7	178.7	0.94	56.4
BAG ACT.	0.12	0.7	424.2	1.95	23.9	1.68	2.3	354.7	1.02	28.0	0.37	2.5	408.9	1.86	24.6
CALC.	0.12	0.6	427.2	2.07	23.7	1.68	2.3	341.1	1.03	29.1	0.37	2.5	404.4	1.90	24.9
33	0.04	0.1	42.1	0.24	240.1	0.94	1.3	25.7	0.05	390.4	0.03	0.2	54.4	0.30	185.5
34	0.53	2.1	445.6	2.27	22.6	9.96	15.1	430.5	1.09	20.9	0.30	1.5	587.1	3.17	17.2
35	0.42	1.5	370.0	1.53	27.2	5.32	15.2	478.2	0.95	19.6	0.36	1.4	365.2	1.51	27.6
36	0.36	1.7	385.5	1.44	26.1	2.90	9.2	307.4	0.59	30.7	0.63	2.7	394.1	1.64	25.4
37	0.17	0.7	234.3	1.06	43.1	1.56	5.1	280.9	0.63	34.6	0.21	0.7	234.8	1.15	43.0
38	0.17	0.8	292.7	1.30	34.6	0.56	1.9	261.8	0.80	38.2	0.26	0.9	288.0	1.54	35.1
39	0.07	0.7	377.1	1.99	26.9	0.40	1.3	343.7	1.24	29.3	0.16	0.9	379.2	2.15	26.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	713	1977	MERB	300D	183	714	1977	MERB	240D	147	715	1975	MERB	240D	147
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	0.42	1.8	859.2	3.60	11.8	0.21	1.2	731.0	3.14	13.9	0.41	2.2	691.9	2.28	14.6
2	0.17	0.7	182.4	0.87	55.3	0.09	0.3	182.1	0.80	55.6	0.11	0.8	163.3	0.75	61.7
3	0.37	1.9	700.2	3.10	14.4	0.23	1.3	630.5	2.85	16.1	0.30	1.8	585.7	2.39	17.3
4	0.31	1.6	593.5	2.44	17.0	0.25	1.2	517.4	2.36	19.6	0.17	1.2	453.	1.73	22.3
5	0.12	0.9	520.2	2.07	19.5	0.09	0.5	441.8	1.85	23.0	0.14	0.9	422.7	1.51	24.0
6	0.08	0.6	175.5	0.83	57.6	0.07	0.5	163.9	0.78	61.7	0.07	0.6	148.0	0.68	68.2
7	0.10	1.0	769.7	2.97	13.2	0.08	0.6	616.5	2.70	16.5	0.43	8.9	665.4	2.18	14.9
8	0.05	0.7	243.4	1.39	41.6	0.07	0.7	225.6	1.35	44.8	0.09	0.8	213.6	1.08	47.3
9	0.08	0.9	600.4	2.40	16.9	0.07	0.7	501.6	2.24	20.2	0.15	2.0	498.4	1.87	20.3
10	0.06	0.6	173.7	0.97	58.2	0.08	0.6	162.8	0.94	62.1	0.09	0.7	146.4	0.75	68.9
11	0.10	1.1	860.8	3.44	11.8	0.07	0.8	703.4	3.15	14.4	0.41	13.4	759.7	2.40	13.0
12	0.08	0.7	167.3	1.01	60.4	0.07	0.6	167.2	1.02	60.4	0.10	0.8	160.8	0.87	62.7
13	0.09	1.2	840.3	3.54	12.1	0.08	0.8	748.2	3.55	13.6	0.28	9.2	733.9	2.51	13.6
14	0.05	0.6	172.1	0.98	58.7	0.06	0.6	162.5	0.96	62.2	0.09	0.7	150.0	0.79	67.2
15	0.13	0.7	159.0	0.73	63.4	0.07	0.5	166.8	0.76	60.6	0.09	0.6	152.7	0.75	66.1
16	0.34	1.7	344.2	1.67	29.3	0.13	0.9	355.0	1.72	28.5	0.24	1.2	344.0	1.54	29.4
17	0.16	1.4	782.2	3.37	13.0	0.11	1.1	674.8	3.12	15.0	0.14	2.8	649.9	2.05	15.5
18	0.08	0.6	144.3	0.70	69.9	0.07	0.5	138.2	0.65	73.1	0.07	0.5	127.5	0.62	79.2
19	0.15	1.2	694.6	3.01	14.6	0.11	0.9	599.4	2.79	16.9	0.15	2.0	526.6	1.62	19.2
20	0.08	0.6	152.8	0.72	66.1	0.08	0.6	154.5	0.73	65.4	0.07	0.6	145.0	0.68	69.6
21	0.10	1.2	920.4	3.65	11.0	0.08	0.9	774.5	3.48	13.1	0.47	13.6	799.4	2.57	12.4
22	0.05	0.7	184.1	1.04	54.9	0.06	0.6	168.4	0.97	60.0	0.09	0.7	150.9	0.79	66.8
23	0.18	1.8	777.4	3.43	13.0	0.12	1.3	668.8	3.16	15.2	0.16	1.7	636.6	2.31	15.9
24	0.09	1.0	611.1	2.31	16.6	0.05	0.6	522.6	2.24	19.4	0.12	2.9	535.5	1.84	18.8
25	0.05	0.6	175.0	1.00	57.8	0.06	0.6	171.8	0.99	58.8	0.07	0.7	154.0	0.81	65.5
26	0.13	0.9	218.9	1.04	46.1	0.09	0.5	195.7	0.85	51.7	0.10	0.7	176.0	0.83	57.4
27	0.11	1.1	709.6	3.16	14.3	0.08	0.8	652.6	3.34	15.6	0.12	3.4	588.1	1.96	17.1
28	0.08	0.7	185.5	1.01	54.4	0.07	0.7	165.5	0.91	61.0	0.08	0.7	152.2	0.78	66.3
29	0.22	1.8	697.9	3.18	14.5	0.15	1.3	622.0	3.01	16.3	0.13	1.4	570.2	2.26	17.8
30	0.09	1.0	622.1	2.29	16.3	0.06	0.6	504.3	2.07	20.1	0.35	9.0	620.2	2.01	16.0
31	0.05	0.6	176.2	1.05	57.4	0.07	0.7	175.2	1.03	57.7	0.07	0.7	169.8	0.92	59.5
32	0.13	0.9	188.3	0.89	53.5	0.08	0.6	179.6	0.78	56.2	0.10	0.8	168.8	0.79	59.7
BAG ACT.	0.10	0.8	455.0	2.00	22.3	0.08	0.7	399.8	1.94	25.4	0.14	3.1	390.1	1.52	25.7
CALC.	0.10	0.9	452.2	2.06	22.4	0.08	0.7	399.5	1.97	25.4	0.14	2.9	388.9	1.55	25.8
33	0.04	0.2	43.8	0.23	230.4	0.03	0.1	38.8	0.20	260.5	0.03	0.2	47.4	0.26	213.0
34	0.33	1.9	454.7	2.29	22.2	0.24	0.8	379.4	2.00	26.7	0.18	1.5	488.2	2.80	20.7
35	0.27	1.4	367.1	1.68	26.1	0.21	0.8	320.2	1.66	31.6	0.12	1.1	325.6	1.49	31.0
36	0.49	2.0	404.5	1.36	24.9	0.35	1.5	361.3	1.34	27.9	0.16	1.5	342.8	1.53	29.4
37	0.30	0.8	247.4	1.07	40.8	0.13	0.5	228.2	1.06	44.4	0.07	0.6	208.4	1.03	48.6
38	0.17	0.9	309.8	1.34	32.6	0.15	0.8	291.3	1.44	34.7	0.09	0.7	267.0	1.27	37.9
39	0.14	0.8	407.4	2.15	24.9	0.06	0.7	378.2	2.21	26.8	0.10	0.8	352.7	1.85	28.7

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

APPENDIX H.CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	716	1967	MERB	200D	121	717	1967	MERB	200D	121	718	1965	MERB	190D	121
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	6.20	15.4	732.6	2.38	13.1	1.84	6.3	633.2	2.06	15.7	3.06	10.1	673.3	1.96	14.6
2	1.50	1.7	161.2	1.00	60.3	0.38	1.1	131.5	0.62	75.6	2.71	3.0	134.9	0.65	68.7
3	4.31	7.4	904.6	4.10	10.9	2.96	4.3	806.3	3.27	12.4	5.05	6.5	753.3	2.02	13.1
4	2.13	5.0	561.1	2.44	17.7	0.84	2.0	449.4	1.75	22.4	2.90	5.0	445.6	1.69	22.0
5	2.04	5.2	496.9	2.06	19.9	0.88	4.0	483.0	1.70	20.7	1.56	4.1	429.7	1.49	23.1
6	0.70	1.0	124.3	0.80	79.4	0.23	0.6	88.7	0.43	112.7	0.99	1.5	115.9	0.59	83.6
7	3.34	18.7	510.5	1.38	18.5	0.89	8.2	451.3	1.27	21.8	0.90	5.6	388.4	1.07	25.4
8	1.23	2.3	168.0	1.32	57.9	0.71	1.5	159.2	0.89	62.1	1.08	2.3	171.4	0.89	57.0
9	2.39	12.2	525.6	1.78	18.4	0.72	7.4	520.3	1.71	19.0	0.69	5.6	486.7	1.44	20.4
10	1.19	1.6	129.1	1.02	75.2	0.82	1.3	126.3	0.72	77.7	1.02	1.5	107.9	0.60	89.6
11	3.94	31.4	608.2	1.69	15.2	0.64	9.2	561.6	1.68	17.6	0.94	6.3	476.7	1.34	20.8
12	0.99	1.4	98.8	0.79	97.7	0.68	1.2	113.4	0.68	86.6	1.11	1.8	120.6	0.68	80.1
13	4.35	40.4	706.7	2.03	13.0	0.83	12.2	632.9	1.94	15.5	0.74	6.9	515.1	1.48	19.3
14	1.18	1.8	122.8	1.00	78.7	0.84	1.5	131.5	0.77	74.5	0.75	2.5	133.9	0.72	72.6
15	0.83	0.9	108.0	0.71	90.8	0.29	0.4	77.3	0.46	129.1	0.84	2.1	114.6	0.60	84.4
16	2.19	3.2	333.3	1.98	29.5	0.80	2.0	264.3	1.27	37.7	4.11	8.4	288.9	1.45	32.3
17	4.53	26.3	709.7	2.06	13.3	1.20	11.8	615.2	1.89	16.0	1.26	8.7	649.8	1.84	15.2
18	0.76	1.2	97.7	0.69	99.7	0.28	0.7	93.1	0.47	107.1	0.74	1.3	105.1	0.58	92.9
19	3.48	19.1	643.4	2.17	14.9	1.01	8.0	599.2	2.01	16.5	1.32	6.5	518.1	1.70	19.1
20	0.83	1.3	110.7	0.77	88.3	0.31	0.8	114.3	0.56	87.3	0.93	1.5	113.0	0.64	86.0
21	3.80	28.7	622.5	1.70	15.0	0.68	8.7	513.0	1.55	19.2	0.84	6.8	470.3	1.32	21.0
22	0.97	1.5	102.9	0.77	93.9	0.77	1.4	114.6	0.67	85.4	0.76	3.3	158.2	0.74	61.4
23	2.62	9.7	764.1	3.10	12.9	0.96	4.9	649.5	2.29	15.4	1.98	7.7	647.6	2.07	15.3
24	2.91	22.8	551.3	1.86	17.1	0.57	7.9	528.5	1.76	18.7	0.71	5.3	448.9	1.41	22.1
25	0.98	1.5	120.8	1.01	80.6	0.82	1.3	124.3	0.75	79.9	0.75	2.0	150.5	0.82	65.2
26	0.96	1.2	142.1	0.88	69.2	0.37	0.7	148.4	0.62	67.5	1.28	2.3	135.1	0.72	71.3
27	3.08	19.4	617.5	2.06	15.5	0.64	9.6	566.1	1.84	17.4	0.66	6.9	536.7	1.54	18.5
28	1.10	1.6	136.7	1.08	71.3	1.06	1.6	128.4	0.73	75.8	0.89	2.2	155.3	0.82	63.0
29	1.87	4.9	673.6	3.20	14.8	1.07	4.7	606.0	2.31	16.5	1.99	6.6	610.1	2.12	16.2
30	3.55	25.1	595.9	1.81	15.7	0.57	7.4	516.1	1.70	19.2	0.68	5.5	439.2	1.35	22.6
31	0.88	1.3	90.0	0.80	107.2	0.71	1.3	110.5	0.67	88.6	0.81	2.1	156.8	0.86	62.6
32	0.95	1.4	141.3	0.86	69.5	0.37	0.7	114.6	0.64	87.1	1.30	2.1	131.7	0.70	73.1
BAG ACT.	1.96	10.7	370.1	1.65	25.9	0.64	4.5	350.5	1.35	28.3	1.08	5.0	350.9	1.21	28.1
CALC.	1.96	10.2	378.5	1.68	25.4	0.64	4.4	352.6	1.38	28.1	1.08	4.8	348.5	1.23	28.3
33	0.63	0.5	35.7	0.14	264.9	0.13	0.3	28.5	0.13	345.9	0.41	0.5	33.0	0.15	290.1
34	6.59	6.3	556.4	2.33	17.3	3.39	6.3	487.5	1.89	20.0	9.88	9.2	514.9	2.11	18.1
35	3.56	5.6	635.8	3.52	15.5	1.29	4.7	554.3	2.16	18.0	21.63	13.0	566.3	2.42	15.5
36	1.79	3.2	359.3	1.79	27.5	0.51	1.9	317.2	1.29	31.6	8.99	7.1	323.1	1.35	28.1
37	1.45	2.5	290.4	1.67	34.0	0.56	2.1	267.3	1.08	37.4	3.53	5.0	256.0	1.15	37.0
38	1.46	2.5	268.4	1.54	36.7	0.37	1.2	257.0	1.11	39.1	1.33	2.5	237.8	1.13	41.4
39	0.42	3.7	341.8	2.45	29.2	0.49	1.8	344.2	1.79	29.2	1.26	2.8	324.5	1.68	30.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

APPENDIX H, CONT'D

LISTING OF MODAL RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

	VEH	YEAR	MAKE	MODL	CID	VEH	YEAR	MAKE	MODL	CID
	719	1969	MERB	220D	141	720	1971	MERB	220D	141
MODE NO.	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
1	3.41	19.6	702.2	2.28	13.7	0.90	3.7	762.2	2.67	13.2
2	0.20	2.2	181.0	1.08	55.0	0.27	0.7	195.8	0.65	73.9
3	1.68	10.7	502.3	1.74	19.4	1.45	2.0	890.9	4.14	11.3
4	0.96	5.3	446.9	2.01	22.2	0.38	1.4	547.5	2.44	16.5
5	1.67	11.0	460.1	1.68	21.1	0.28	1.3	490.7	2.08	20.6
6	0.17	1.3	189.2	1.26	53.1	0.15	0.4	108.8	0.56	92.5
7	2.76	26.0	577.8	2.14	16.2	0.33	2.7	504.8	1.83	20.0
8	0.49	2.8	242.1	1.94	41.0	0.49	1.6	144.6	0.91	68.3
9	1.85	12.4	466.2	1.94	20.7	0.28	2.8	514.7	2.10	19.6
10	0.38	2.1	127.7	1.06	77.0	0.51	1.2	109.6	0.68	90.0
11	4.13	45.1	704.5	2.56	12.9	0.38	3.3	579.3	2.20	17.4
12	0.45	2.9	172.3	1.47	57.1	0.52	1.4	106.9	0.71	91.8
13	4.42	45.2	712.0	2.56	12.8	0.40	4.3	642.0	2.48	15.7
14	0.32	2.1	168.5	1.42	58.9	0.54	1.4	114.1	0.75	86.3
15	0.19	1.6	174.0	1.09	57.5	0.20	0.2	101.8	0.54	99.7
16	0.56	6.2	346.8	2.08	26.4	0.56	1.1	320.5	1.50	31.4
17	3.85	27.4	732.9	2.50	12.9	0.49	3.7	672.5	2.55	15.0
18	0.19	2.3	137.6	1.00	71.7	0.20	0.4	93.0	0.51	108.0
19	2.75	18.4	563.2	1.89	16.9	0.27	2.7	608.7	2.45	16.6
20	0.20	2.9	157.5	1.12	62.5	0.24	0.4	95.4	0.52	105.2
21	4.26	43.0	725.4	2.49	12.6	0.35	3.3	588.3	2.21	17.1
22	0.33	2.5	160.7	1.37	61.4	0.52	1.3	115.2	0.74	85.6
23	2.30	14.5	589.0	2.05	16.4	0.55	2.1	717.3	3.07	14.1
24	3.40	35.9	577.4	2.15	15.8	0.29	2.8	551.3	2.31	18.3
25	0.35	2.6	174.6	1.46	56.6	0.56	1.4	113.2	0.73	86.9
26	0.23	4.6	185.9	1.18	52.5	0.27	0.2	124.5	0.65	80.9
27	2.77	23.4	639.6	2.33	14.9	0.32	2.7	598.7	2.56	17.0
28	0.30	3.2	157.9	1.29	62.1	0.35	1.2	112.4	0.69	87.8
29	1.87	13.7	564.2	2.08	17.2	0.44	1.4	565.7	2.98	15.2
30	3.79	37.8	603.4	2.18	15.1	0.35	2.7	541.6	2.17	18.6
31	0.38	3.1	197.7	1.64	49.9	0.54	1.5	111.6	0.76	88.0
32	0.20	4.4	167.4	1.10	58.1	0.26	0.2	99.1	0.55	101.5
BAG ACT.	1.51	15.0	408.0	1.88	23.3	0.49	2.4	359.2	1.68	27.9
CALC.	1.51	15.4	400.9	1.91	23.7	0.49	2.2	355.5	1.67	28.2
33	0.11	0.5	44.2	0.19	224.4	0.10	0.1	32.0	0.17	313.0
34	1.49	4.6	417.2	2.13	23.7	1.35	2.2	494.6	2.21	20.3
35	0.86	2.3	362.1	1.84	27.6	0.89	2.9	571.7	2.17	17.6
36	0.38	2.5	394.9	2.00	25.4	0.37	1.4	343.2	1.44	29.4
37	0.27	0.8	235.4	1.30	42.8	0.28	1.3	277.4	1.14	36.3
38	0.20	1.5	293.1	1.89	34.4	0.13	0.8	254.5	1.24	39.7
39	0.38	2.2	365.5	2.67	27.5	1.19	4.3	333.6	2.02	29.6

EMISSION RESULTS IN GRAMS PER MILE (PER MINUTE FOR IDLE)

FUEL ECONOMY IN MILES PER GALLON (MINUTES PER GALLON FOR IDLE)

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APPENDIX I - LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

Legend

VEHICLE	Vehicle Number
YEAR	Model Year
MAKE	Vehicle Make
MODL	Vehicle Model
CID	Engine Displacement in Cubic Inches
HC	Hydrocarbon Emissions in grams per mile
CO	Carbon Monoxide Emissions in grams per mile
CO_2	Carbon Dioxide Emissions in grams per mile
NOx_c	Oxides of Nitrogen Emissions corrected for humidity in grams per mile
MPG	Fuel Economy in miles per gallon, Calculated Using the Carbon Balance Method

APPENDIX I

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE	YEAR	MAKE	MODL	CID	--- GRAMS PER MILE --- HC	CO	CO_2	NOx_c	FUEL MPG
7001	1976	CHEV	C10	350	3.54	41.2	465.0	1.42	16.4
7002	1976	CHEV	VAN	350	0.20	0.3	562.5	1.20	15.7
7003	1976	CHEV	C10	350	0.39	3.0	486.9	1.54	18.0
7004	1976	CHEV	C10	350	0.13	0.7	588.3	1.40	15.0
7005	1976	DODG	VAN	318	1.32	32.1	446.8	2.61	17.7
7006	1976	DODG	VAN	225	1.18	21.2	392.8	1.77	20.6
7007	1976	FORD	F100	302	0.27	0.2	545.0	2.10	16.3
7008	1976	FORD	F100	360	0.95	5.6	584.1	2.59	14.9
7009	1976	FORD	F100	360	1.01	6.4	666.8	1.26	13.0
7010	1976	FORD	COUR	110	1.18	11.0	362.8	0.62	23.1
7011	1975	CHEV	C10	350	1.19	27.5	563.5	1.06	14.5
7012	1975	CHEV	G10	350	0.59	0.5	561.8	1.04	15.7
7013	1975	CHEV	VAN	350	1.02	0.2	551.0	1.14	16.0
7014	1975	DODG	B100	318	0.22	1.3	510.5	3.56	17.3
7015	1975	FORD	F100	302	0.45	0.4	563.0	1.35	15.7
7016	1975	FORD	F100	302	0.25	1.8	504.1	1.20	17.5
7017	1975	FORD	F100	360	0.41	14.2	678.3	0.80	12.6
6018	1976	AMC	HORN	258	0.79	2.7	358.4	3.48	24.3
6019	1976	BUIC	REGA	350	0.28	0.1	493.9	1.02	17.9
6020	1976	BUIC	STAW	455	0.32	0.6	706.5	1.33	12.5
6021	1976	CADI	DEVI	500	1.70	43.6	590.1	0.88	13.4
6022	1976	CHEV	IMPA	350	0.23	0.6	542.2	2.10	16.3
6023	1976	CHEV	MONT	350	0.19	0.9	572.7	0.90	15.4
6024	1976	CHEV	VEGA	140	1.40	33.9	302.9	1.69	24.6
6025	1976	CHEV	STAW	400	4.58	65.3	526.6	2.57	13.8
6026	1976	CHEV	MALI	305	1.78	44.2	440.8	1.04	17.2
6027	1976	CHEV	CAMA	250	1.81	35.5	354.2	1.38	21.4
6028	1976	CHEV	CHET	85	2.57	29.5	228.2	1.69	31.4
6029	1976	DODG	DART	318	2.16	8.9	420.3	1.51	20.1
6030	1976	DODG	DART	225	1.41	2.9	321.0	1.50	26.9
6031	1976	FORD	MUST	140	0.50	0.5	369.2	1.46	23.9
6032	1976	FORD	LTD	400	1.98	27.2	563.4	1.75	14.5

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6033	1976	FORD	ELIT	351	1.03	6.7	558.3	2.40	15.5
6034	1976	FORD	MAVE	250	0.40	0.5	433.1	2.75	20.4
6035	1976	FORD	GRAN	302	1.03	10.6	472.2	3.05	18.0
6036	1976	FORD	STAW	351	0.67	0.7	510.4	2.30	17.3
6037	1976	MERC	MARQ	400	1.16	0.1	619.3	1.88	14.2
6038	1976	MERC	MONA	250	0.67	3.8	456.3	1.47	19.1
6039	1976	OLDS	CUTL	260	0.29	0.7	441.2	1.38	20.0
6040	1976	OLDS	CUTL	350	0.37	2.5	462.9	0.82	19.0
6041	1976	OLDS	NNTY	455	0.26	0.6	592.2	1.12	14.9
6042	1976	PLYM	VALI	225	1.97	7.0	322.7	1.94	26.1
6043	1976	PLYM	FURY	318	4.87	45.1	417.2	4.54	17.6
6044	1976	PONT	GRNP	350	0.22	0.9	521.2	1.37	17.0
6045	1976	PONT	TRAN	400	1.63	38.1	851.8	4.07	9.7
6046	1976	DATS	B210	85	1.12	3.5	253.4	1.05	33.8
6047	1976	DATS	710	119	1.58	35.5	332.9	1.82	22.5
6048	1976	TOYO	CORO	97	0.68	13.1	275.4	1.50	29.8
6049	1976	TOYO	STAW	133	0.41	12.3	422.0	1.26	20.1
6050	1976	VOLK	RABB	97	0.11	0.2	316.9	1.82	28.0
6051	1976	VOLK	RABB	97	0.70	0.4	293.8	1.14	29.9
6201	1976	AMC	STAW	304	0.59	4.1	514.1	1.12	17.0
6202	1976	AMC	PACE	258	0.91	2.0	408.0	3.65	21.4
6203	1976	AMC	MATA	304	0.53	1.3	529.2	5.15	16.7
6204	1976	AMC	GREM	232	0.99	8.4	370.9	3.55	22.9
6205	1976	BUIC	CNTY	231	0.18	0.9	418.7	1.88	21.1
6206	1976	BUIC	LESA	350	0.12	0.6	497.1	1.68	17.8
6207	1976	BUIC	CNTY	350	0.22	4.0	504.6	1.08	17.3
6208	1976	BUIC	ELEC	455	0.12	0.0	653.2	1.09	13.6
6209	1976	BUIC	REGA	350	0.13	0.1	527.7	1.28	16.8
6210	1976	BUIC	SKYH	231	0.09	0.2	379.4	1.52	23.4
6211	1976	BUIC	SKYL	260	0.29	1.7	423.8	2.09	20.8
6212	1976	CADI	SEVI	350	0.53	0.9	502.8	1.72	17.5
6213	1976	CADI	DEVI	500	2.19	40.2	618.2	1.26	12.9

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6214	1976	CADI	DEVI	500	0.22	0.0	612.3	1.51	14.5
6215	1976	CADI	DEVI	500	1.24	8.3	601.6	1.31	14.3
6216	1976	CHEV	CHET	85	0.49	13.3	297.6	2.89	27.7
6217	1976	CHEV	IMPA	350	0.24	3.3	571.1	1.28	15.4
6218	1976	CHEV	MONT	305	1.59	39.0	423.9	1.41	18.1
6219	1976	CHEV	IMPA	350	2.16	39.2	481.0	1.03	16.2
6220	1976	CHEV	NOVA	250	0.14	0.0	409.5	0.83	21.7
6221	1976	CHEV	IMPA	350	2.80	34.2	491.9	2.30	16.0
6222	1976	CHEV	VETT	350	2.67	41.0	477.4	1.73	16.1
6223	1976	CHEV	STAW	400	0.13	0.4	585.3	2.40	15.1
6224	1976	CHEV	MONT	350	0.79	17.5	536.7	0.73	15.7
6225	1976	CHEV	CAPR	400	1.95	27.2	544.2	1.61	15.0
6226	1976	CHEV	CAPR	350	0.15	1.7	553.7	1.75	15.9
6227	1976	CHEV	MALI	350	4.22	115.3	404.5	0.50	14.8
6228	1976	CHEV	VEGA	140	3.62	52.5	246.3	0.76	26.1
6229	1976	CHEV	MONZ	262	2.61	55.3	373.5	2.10	18.9
6230	1976	CHEV	MONT	350	0.15	5.7	550.7	0.94	15.8
6231	1976	CHEV	MALI	350	0.17	1.7	542.5	1.45	16.3
6232	1976	CHEV	MALI	350	2.32	58.6	436.4	2.39	16.6
6233	1976	CHEV	MALI	350	0.55	8.6	497.2	0.84	17.3
6234	1976	CHEV	NOVA	305	1.08	8.5	445.9	1.51	19.2
6235	1976	CHEV	STAW	140	0.14	1.7	369.7	0.81	23.8
6236	1976	CHEV	MONT	350	0.12	0.5	519.0	1.37	17.1
6237	1976	CHEV	MALI	250	0.67	12.3	405.7	2.63	20.8
6238	1976	CHEV	VEGA	140	0.79	2.9	388.0	2.16	22.5
6239	1976	CHEV	NOVA	250	0.96	15.0	367.8	2.28	22.5
6240	1976	CHRY	NEWP	400	0.79	18.5	586.2	4.75	14.4
6241	1976	CHRY	NEWP	400	0.11	0.3	592.3	2.99	15.0
6242	1976	DODG	CHAR	360	1.18	40.3	510.4	2.39	15.4
6243	1976	DODG	STAW	318	0.95	1.8	465.9	5.25	18.8
6244	1976	DODG	DART	225	2.21	20.2	386.1	1.18	20.9
6245	1976	DODG	MONA	360	0.14	2.2	550.4	3.23	16.0

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6246	1976	DODG	CORO	318	1.58	6.1	446.4	1.10	19.3
6247	1976	DODG	ASPE	225	1.15	2.2	392.3	1.49	22.2
6248	1976	FORD	STAW	400	0.74	6.7	587.0	2.18	14.8
6249	1976	FORD	ELIT	351	1.25	4.9	523.3	2.70	16.6
6250	1976	FORD	GRAN	200	0.49	0.0	374.1	1.54	23.6
6251	1976	FORD	LTD	351	1.17	0.2	522.9	2.10	16.8
6252	1976	FORD	STAW	140	0.46	1.9	332.1	3.87	26.4
6253	1976	FORD	GRAN	250	0.77	1.8	432.3	1.29	20.3
6254	1976	FORD	GRAN	302	1.37	3.1	426.3	2.87	20.4
6255	1976	FORD	MUST	140	0.41	0.3	372.2	1.42	23.7
6256	1976	FORD	STAW	351	0.24	0.1	596.6	2.52	14.9
6257	1976	FORD	MUST	171	0.61	4.0	448.5	2.74	19.4
6258	1976	FORD	GRAN	250	0.33	0.0	449.9	1.55	19.7
6259	1976	FORD	PINT	140	0.31	2.0	335.7	0.91	26.1
6260	1976	FORD	STAW	400	0.33	0.6	620.9	2.81	14.2
6261	1976	FORD	ELIT	351	0.83	5.4	542.2	3.50	16.0
6262	1976	FORD	THND	460	0.65	1.5	657.6	2.44	13.4
6263	1976	FORD	MUST	171	0.70	7.4	408.9	1.15	21.0
6264	1976	FORD	STAW	400	0.51	2.1	602.4	1.96	14.6
6265	1976	FORD	STAW	351	0.94	16.5	555.8	2.62	15.2
6266	1976	FORD	GRAN	302	1.81	1.0	490.3	2.55	17.8
6267	1976	FORD	MUST	140	0.34	0.8	415.7	0.83	21.2
6268	1976	LINC	MRK4	460	0.62	4.8	699.0	1.60	12.5
6269	1976	LINC	CONT	460	0.18	0.0	645.9	2.82	13.7
6270	1976	MERC	COUG	351	0.78	5.0	558.7	2.25	15.6
6271	1976	MERC	MARQ	400	2.50	27.3	555.2	2.28	14.6
6272	1976	MERC	MONT	351	1.45	8.8	515.9	2.78	16.6
6273	1976	MERC	MARQ	400	1.98	13.5	589.0	2.48	14.4
6274	1976	MERC	MONA	302	1.34	13.4	466.5	1.41	18.0
6275	1976	OLDS	DELT	350	1.76	27.6	498.5	0.59	16.2
6276	1976	OLDS	CUTL	350	1.62	19.9	478.8	0.77	17.2
6277	1976	OLDS	OMEG	260	0.17	0.7	444.0	1.67	19.9

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LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6278	1976	OLDS	CUTL	260	1.86	37.9	415.0	3.41	18.5
6279	1976	OLDS	DELT	455	0.78	4.9	576.1	1.24	15.1
6280	1976	OLDS	CUTL	350	2.60	30.9	428.0	4.12	18.3
6281	1976	OLDS	CUTL	350	3.56	33.5	419.0	0.99	18.4
6282	1976	OLDS	CUTL	350	0.67	4.1	501.0	1.07	17.4
6283	1976	OLDS	MNTY	455	0.66	1.5	594.6	0.99	14.8
6284	1976	PLYM	STAW	318	1.98	14.2	472.3	1.18	17.7
6285	1976	PLYM	FURY	318	2.67	28.1	483.7	1.22	16.5
6286	1976	PLYM	STAW	360	1.21	47.3	524.9	2.52	14.7
6287	1976	PLYM	VALI	225	3.99	41.2	308.9	1.20	23.0
6288	1976	PLYM	STAW	318	3.23	28.0	445.1	1.43	17.8
6289	1976	PLYM	STAW	225	3.28	16.7	341.0	1.75	23.5
6290	1976	PLYM	VOLA	225	2.64	42.7	361.9	1.35	20.3
6291	1976	PONT	ASTR	140	2.34	40.5	321.0	0.66	22.6
6292	1976	PONT	BONN	400	1.81	9.5	524.3	1.73	16.3
6293	1976	PONT	GRNP	350	2.25	35.0	450.5	2.36	17.3
6294	1976	PONT	LEMA	260	0.15	0.0	435.0	2.15	20.4
6295	1976	PONT	BONN	400	0.25	0.6	530.5	1.70	16.7
6296	1976	PONT	FIRE	350	1.26	9.1	498.8	1.23	17.2
6297	1976	PONT	GRNP	350	0.20	1.3	508.4	2.01	17.4
6298	1976	PONT	VENT	250	0.14	0.0	453.1	1.02	19.6
6299	1976	CAPR	SEDA	140	0.52	12.9	404.3	1.33	20.8
6300	1976	COLT	STAW	98	1.09	14.5	263.5	7.59	30.6
6301	1976	DATS	B210	85	1.23	4.7	268.5	2.60	31.7
6302	1976	DATS	SEDA	119	0.71	12.1	318.2	1.30	26.1
6303	1976	DATS	B210	85	1.36	8.4	241.0	1.36	34.3
6304	1976	FIAT	SEDA	79	1.44	23.8	287.1	1.57	27.0
6305	1976	FIAT	SEDA	107	0.78	21.0	338.3	1.85	23.7
6306	1976	HOND	CIVI	76	1.25	19.4	250.0	1.01	31.2
6307	1976	HOND	CIVI	91	0.44	2.9	262.6	1.69	33.0
6308	1976	MAZD	STAW	97	0.73	5.7	246.5	1.85	34.4
6309	1976	TOYO	CELI	133	0.48	8.4	325.5	1.42	26.1

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LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6310	1976	TOYO	STAW	97	1.20	14.9	294.2	1.90	27.6
6311	1976	TOYO	CELI	133	0.24	9.4	396.1	1.22	21.6
6312	1976	TOYO	CORO	97	0.65	11.8	300.8	1.76	27.6
6313	1976	VOLK	SCIR	97	0.13	0.2	310.8	1.38	28.5
6314	1976	VOLK	RABB	97	0.13	0.0	321.5	1.70	27.6
6315	1976	VOLK	DASH	97	1.32	7.7	315.0	2.08	26.8
6316	1976	VOLV	STAW	130	0.41	20.7	449.8	1.16	18.4
5052	1975	AMC	HORN	258	0.84	2.6	384.3	2.49	22.7
5053	1975	BUIC	REGA	350	0.29	0.3	518.0	1.49	17.1
5054	1975	BUIC	RIVI	455	1.07	21.0	663.8	1.03	12.7
5055	1975	CADI	DEVI	500	1.07	15.9	630.4	0.61	13.5
5056	1975	CHEV	STAW	140	0.52	12.3	318.4	1.27	26.2
5057	1975	CHEV	MALI	350	0.77	13.0	472.7	1.34	17.9
5058	1975	CHEV	IMPA	350	0.22	1.6	584.3	1.08	15.1
5059	1975	CHEV	STAW	400	0.27	0.0	595.9	2.11	14.9
5060	1975	CHEV	NOVA	250	0.10	0.0	408.0	1.39	21.7
5061	1975	CHRY	CORD	360	1.17	33.1	539.2	2.22	14.9
5062	1975	DODG	CHAR	318	1.16	28.8	561.2	2.07	14.5
5063	1975	FORD	MUST	140	0.50	10.2	422.2	1.20	20.2
5064	1975	FORD	LTD	351	2.15	2.2	627.7	1.33	13.9
5065	1975	FORD	LTD	400	0.83	3.0	629.6	2.68	13.9
5066	1975	FORD	GRAN	250	0.11	0.8	539.8	2.52	16.4
5067	1975	FORD	GRAN	302	0.43	0.3	538.9	3.24	16.4
5068	1975	MERC	COUG	351	3.49	16.8	594.4	1.69	14.0
5069	1975	OLDS	CUTL	350	1.03	3.3	463.7	1.04	18.8
5070	1975	OLDS	NNTY	455	1.13	7.3	569.9	0.92	15.2
5071	1975	PLYM	VALI	225	0.97	24.3	395.8	1.39	20.3
5072	1975	PLYM	STAW	400	0.10	1.0	618.1	2.71	14.3
5073	1975	PONT	GRNP	455	5.80	82.8	514.2	0.49	13.4
5074	1975	PONT	LEMA	350	0.93	11.1	523.6	2.41	16.3
5075	1975	DATS	SEDA	85	1.25	4.2	281.4	1.35	30.4
5076	1975	TOYO	STAW	133	0.61	9.5	384.6	1.55	22.1

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LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
5077	1975	TOYO	CORO	97	0.91	11.4	338.3	2.01	24.7
5078	1975	VOLK	SEDA	97	1.23	8.6	270.7	1.67	30.8
5079	1975	VOLK	RABB	90	0.12	0.0	317.2	1.12	27.9
5317	1975	AMC	MATA	304	0.55	4.4	515.8	4.61	16.9
5318	1975	BUIC	SKYH	231	0.75	12.4	384.4	1.86	21.8
5319	1975	CADI	DEVI	500	3.57	58.5	550.9	1.49	13.6
5320	1975	CHEV	VEGA	140	0.89	30.8	367.0	0.53	21.2
5321	1975	CHEV	CAPR	350	0.20	1.2	599.8	1.24	14.7
5322	1975	CHEV	NOVA	262	0.41	0.1	436.4	1.03	20.3
5323	1975	CHEV	MONT	350	0.23	3.0	561.0	1.22	15.7
5324	1975	CHEV	CAPR	400	0.36	0.2	611.4	2.02	14.5
5325	1975	DODG	DART	225	1.67	29.7	368.6	1.30	21.1
5326	1975	FORD	STAW	171	0.18	3.0	599.7	0.73	14.7
5327	1975	FORD	LTD	400	2.22	3.6	621.5	1.94	14.0
5328	1975	FORD	STAW	351	2.91	2.3	583.6	3.02	14.9
5329	1975	LINC	CONT	460	0.81	19.1	763.7	1.30	11.1
5330	1975	MERC	MONG	351	1.40	22.0	537.1	2.31	15.4
5331	1975	OLDS	OMEG	260	0.36	1.8	419.0	3.77	21.0
5332	1975	OLDS	DELT	350	0.82	5.4	506.2	0.84	17.2
5333	1975	PLYM	FRY3	360	0.19	2.7	554.1	2.45	15.9
5334	1975	PONT	LEMA	350	0.30	2.5	513.0	2.52	17.1
5335	1975	DATS	B210	85	1.64	5.1	247.9	2.97	34.0
5336	1975	FIAT	SEDA	79	2.10	10.9	244.7	1.62	33.1
5337	1975	HOND	CIVI	91	0.80	2.9	235.1	1.52	36.7
5338	1975	MAZD	RX4	80	12.79	38.3	426.4	0.63	16.8
4080	1974	AMC	STAW	304	3.00	15.0	487.6	2.52	17.0
4081	1974	BUIC	ELEC	455	2.60	22.3	632.9	1.18	13.1
4082	1974	CADI	DEVI	472	1.79	38.5	653.8	0.61	12.3
4083	1974	CHEV	VEGA	140	1.35	10.9	318.6	3.13	26.1
4084	1974	CHEV	MALI	350	1.84	26.9	490.9	0.51	16.5
4085	1974	CHEV	NOVA	250	3.02	19.8	419.7	1.32	19.3
4086	1974	CHEV	NOVA	350	2.48	36.3	548.2	1.99	14.5

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
4087	1974	CHEV	IMPA	350	2.69	15.0	570.7	1.44	14.7
4088	1974	CHEV	STAW	400	3.36	43.9	599.7	1.34	13.1
4089	1974	CHRY	NEWP	400	3.31	60.4	580.2	3.32	12.9
4090	1974	DODG	CHAR	318	3.32	41.2	450.0	4.61	16.9
4091	1974	FORD	PINT	122	4.33	4.1	325.4	2.27	25.7
4092	1974	FORD	TORI	302	2.38	15.9	497.2	2.85	16.8
4093	1974	FORD	MAVE	250	1.40	21.8	419.4	1.55	19.4
4094	1974	FORD	STAW	400	1.07	13.2	757.4	2.16	11.4
4095	1974	FORD	LTD	351	2.08	6.4	611.1	3.38	14.1
4096	1974	MERC	MONG	351	1.65	7.9	542.5	3.43	15.8
4097	1974	OLDS	CUTL	350	2.70	11.8	595.7	2.77	14.3
4098	1974	OLDS	NNTY	455	1.46	9.0	643.3	3.12	13.4
4099	1974	PLYM	STAW	318	1.95	11.3	513.2	2.78	16.5
4100	1974	PLYM	DUST	225	1.88	21.9	326.9	3.02	24.2
4101	1974	PONT	GRNV	455	4.51	3.1	592.1	5.81	14.5
4102	1974	DATS	STAW	119	1.20	9.7	314.3	2.73	26.6
4103	1974	TOYO	CORO	97	1.38	9.6	297.6	2.34	28.0
4104	1974	TOYO	CORO	120	1.28	14.2	348.1	2.16	23.7
4105	1974	VOLK	SEDA	97	3.06	10.4	252.3	1.92	31.9
4106	1974	VOLK	SEDA	97	2.31	28.3	248.4	1.53	29.6
4339	1974	AMC	GREM	258	2.18	53.2	326.6	1.64	21.3
4340	1974	BUIC	CNTY	350	2.33	24.1	521.6	1.06	15.7
4341	1974	BUIC	ELEC	455	1.54	29.8	985.0	1.52	8.6
4342	1974	CHEV	MALI	350	1.73	5.0	539.6	1.16	16.1
4343	1974	CHEV	MALI	350	25.59	15.8	573.5	0.95	13.1
4344	1974	CHEV	IMPA	350	1.70	21.9	642.2	1.20	13.0
4345	1974	CHEV	CAPR	400	1.17	6.7	486.7	3.65	17.7
4346	1974	CHEV	VEGA	140	9.80	43.3	265.8	2.63	24.3
4347	1974	DODG	DART	225	1.95	7.7	398.1	3.25	21.3
4348	1974	DODG	DART	318	2.85	38.6	440.8	3.05	17.4
4349	1974	FORD	TORI	351	2.93	29.8	459.5	2.69	17.2
4350	1974	FORD	LTD	400	1.47	16.1	597.4	3.00	14.1

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE	YEAR	MAKE	MODL	CID	--- GRAMS PER MILE --- HC	CO	CO_2	NOx_c	FUEL MPG
4351	1974	FORD	THND	460	2.25	25.1	609.6	1.56	13.5
4352	1974	FORD	MAVE	250	1.86	39.0	386.1	1.38	19.6
4353	1974	LINC	MRK4	460	4.03	99.6	572.5	2.20	12.0
4354	1974	MERC	COME	302	3.22	40.6	523.2	1.59	14.9
4355	1974	OLDS	CUTL	350	2.75	34.0	520.1	1.91	15.2
4356	1974	PLYM	FRY	360	4.00	82.5	494.4	4.12	13.9
4357	1974	PONT	BONN	400	2.49	17.7	644.8	2.06	13.0
4358	1974	PONT	VENT	350	2.27	18.3	598.6	0.79	14.0
4359	1974	CAPR	SEDA	122	1.50	7.2	303.6	3.53	27.8
4360	1974	DATS	SEDA	79	1.63	10.4	214.2	3.21	37.7
4361	1974	MAZD	RX3	70	5.12	45.0	396.4	0.52	18.4
3107	1973	AMC	GREM	232	0.92	8.8	417.6	1.21	20.4
3108	1973	BUIC	RIVI	455	0.84	36.7	730.6	2.43	11.2
3109	1973	BUIC	CNTY	350	4.65	8.4	538.7	1.60	15.7
3110	1973	CADI	DEVI	472	1.19	57.8	725.4	1.60	10.8
3111	1973	CHEV	VEGA	140	3.92	24.1	306.3	3.01	24.9
3112	1973	CHEV	MALI	350	1.91	8.4	492.7	1.05	17.3
3113	1973	CHEV	NOVA	350	1.89	30.7	481.6	0.60	16.6
3114	1973	CHEV	IMPA	350	1.27	29.6	531.3	2.37	15.3
3115	1973	CHEV	IMPA	350	2.41	11.2	511.9	3.18	16.5
3116	1973	DODG	DART	225	1.52	5.7	336.5	4.57	25.3
3117	1973	FORD	PINT	122	1.60	21.5	315.8	1.81	25.0
3118	1973	FORD	TORI	351	2.93	8.8	624.8	2.47	13.7
3119	1973	FORD	MUST	302	2.51	27.4	467.2	1.81	17.1
3120	1973	FORD	CUST	351	2.77	61.8	584.1	2.27	12.9
3121	1973	FORD	LTD	400	2.95	11.1	547.5	2.94	15.5
3122	1973	MERC	MONT	400	2.07	55.1	558.6	1.31	13.6
3123	1973	OLDS	CUTL	350	3.03	18.8	498.4	4.03	16.5
3124	1973	OLDS	CUTL	350	2.29	17.7	617.0	1.78	13.6
3125	1973	PLYM	SATE	318	2.27	17.0	486.9	4.07	17.0
3126	1973	PLYM	VALI	225	1.29	5.1	345.9	4.24	24.8
3127	1973	PONT	CATA	400	3.85	60.0	543.4	1.63	13.7

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE	YEAR	MAKE	MODL	CID	--- GRAMS PER MILE --- HC	CO	CO_2	NOx_c	FUEL MPG
3128	1973	PONT	LEMA	350	4.37	7.5	590.2	2.15	14.4
3129	1973	DATS	510	97	1.61	15.4	313.0	1.52	25.9
3130	1973	OPEL	STAW	116	2.16	42.0	261.8	1.80	26.5
3131	1973	TOYO	CORO	97	1.65	20.1	251.9	1.53	30.7
3132	1973	VOLK	SEDA	97	3.26	39.2	252.8	1.23	27.3
3133	1973	VOLK	SEDA	97	5.53	16.3	300.7	2.26	25.8
3362	1973	BUIC	CNTY	350	2.96	39.4	516.8	1.20	15.1
3363	1973	BUIC	ELEC	455	1.86	33.8	657.0	1.93	12.4
3364	1973	CHEV	STAW	400	1.88	6.5	631.3	1.99	13.7
3365	1973	CHEV	VEGA	140	2.00	33.3	247.9	2.81	28.9
3366	1973	CHEV	NOVA	250	1.76	5.7	402.7	3.03	21.3
3367	1973	CHEV	MONT	350	1.56	4.8	543.2	1.36	16.0
3368	1973	CHEV	MALI	307	2.58	25.9	468.0	1.23	17.2
3369	1973	CHEV	CAPR	454	1.78	44.1	599.7	0.91	13.2
3370	1973	CHRY	NEWP	400	2.51	5.5	559.0	4.10	15.4
3371	1973	DODG	CORO	318	3.35	54.7	446.6	3.57	16.3
3372	1973	DODG	POLA	360	2.48	32.5	502.3	3.52	15.8
3373	1973	FORD	PINT	122	2.41	44.7	254.8	1.65	26.7
3374	1973	FORD	STAW	351	3.03	20.9	563.4	2.99	14.6
3375	1973	FORD	LTD	400	29.92	71.5	498.2	3.06	12.6
3376	1973	FORD	STAW	460	1.92	16.6	685.1	1.90	12.4
3377	1973	MERC	COUG	351	2.91	6.1	538.0	2.41	15.9
3378	1973	OLDS	CUTL	350	1.31	22.8	547.5	1.29	15.1
3379	1973	OLDS	NNTY	455	1.43	39.4	651.1	2.17	12.4
3380	1973	PLYM	SATE	318	7.10	8.7	505.0	4.05	16.4
3381	1973	PONT	FIRE	350	2.73	32.2	512.9	1.19	15.5
3382	1973	PONT	STAW	455	3.49	57.1	642.8	1.92	11.9
3383	1973	CAPR	COUP	122	1.54	28.4	262.2	2.81	28.5
3384	1973	MAZD	SEDA	70	2.28	11.1	404.7	0.59	20.7
2134	1972	AMC	GREM	258	2.60	34.1	354.1	1.71	21.3
2135	1972	BUIC	LESA	455	11.58	59.7	557.2	5.78	12.9
2136	1972	CADI	DEVI	472	1.25	62.6	642.6	1.84	11.9

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
2137	1972	CHEV	VEGA	140	1.17	24.6	302.0	1.64	25.8
2138	1972	CHEV	MONT	350	1.72	15.0	513.0	3.52	16.4
2139	1972	CHEV	MONT	350	1.84	21.5	513.2	2.24	16.1
2140	1972	CHEV	NOVA	307	2.08	7.6	439.5	2.96	19.4
2141	1972	CHEV	IMPA	350	2.20	11.8	539.3	2.95	15.7
2142	1972	CHEV	CAPR	400	2.72	61.9	622.1	2.17	12.2
2143	1972	DODG	CORO	318	2.83	8.4	438.2	4.87	19.3
2144	1972	FORD	PINT	122	1.09	7.8	293.2	2.24	28.7
2145	1972	FORD	TORI	351	1.97	10.6	489.7	3.28	17.3
2146	1972	FORD	MAVE	200	1.60	6.2	335.0	4.74	25.4
2147	1972	FORD	CUST	351	2.16	4.5	507.5	3.73	17.0
2148	1972	FORD	STAW	400	2.78	45.9	509.3	4.01	15.0
2149	1972	MERC	MONR	400	3.70	64.3	506.5	3.63	14.3
2150	1972	OLDS	DELT	350	3.25	28.4	540.2	3.08	14.9
2151	1972	PLYM	VALI	225	3.01	83.7	251.6	2.02	22.6
2152	1972	PLYM	STAW	360	4.01	98.5	464.4	4.48	14.0
2153	1972	PONT	CATA	400	2.20	39.7	627.2	2.37	12.7
2154	1972	PONT	STAW	350	4.38	76.1	520.9	2.94	13.6
2155	1972	DATS	1200	85	1.35	3.9	236.3	1.88	36.0
2156	1972	TOYO	CORO	120	1.89	16.7	272.0	3.03	29.2
2157	1972	VOLK	SEDA	97	3.92	36.5	272.3	1.67	25.9
2158	1972	VOLK	STAW	103	1.61	24.4	373.0	4.09	21.3
2385	1972	BUIC	SKYL	350	2.50	16.7	449.7	3.08	18.3
2386	1972	BUIC	LESA	350	2.29	14.0	501.8	4.84	16.7
2387	1972	CHEV	VEGA	140	4.30	32.6	282.3	2.73	25.6
2388	1972	CHEV	NOVA	250	1.48	11.0	388.9	1.99	21.6
2389	1972	CHEV	MONT	350	2.76	55.7	508.1	1.97	14.7
2390	1972	CHEV	IMPA	350	3.26	76.7	471.2	2.05	14.7
2391	1972	CHEV	STAW	400	1.45	23.6	631.0	2.59	13.2
2392	1972	CHRY	NEWP	400	2.58	22.2	527.4	2.98	15.6
2393	1972	DODG	DART	225	1.55	10.8	395.5	2.85	21.3
2394	1972	FORD	STAW	122	3.12	28.0	287.2	5.97	26.0

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS	PER	MILE ---		FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
2395	1972	FORD	TORI	302	2.27	10.3	594.5	2.33	14.4
2396	1972	FORD	LTD	400	2.48	20.3	505.3	5.60	16.3
2397	1972	FORD	TORI	351	2.78	29.4	524.3	4.04	15.3
2398	1972	LINC	CONT	460	1.76	16.3	574.2	4.22	14.7
2399	1972	MERC	MONG	302	4.46	25.7	420.9	5.58	18.7
2400	1972	OLDS	CUTL	350	2.57	14.9	460.7	3.72	18.0
2401	1972	OLDS	NNTY	455	2.11	18.5	569.5	4.01	14.7
2402	1972	PLYM	BARR	318	2.30	14.4	406.1	4.26	20.4
2403	1972	PONT	GRNV	455	2.17	28.3	1026.4	7.61	8.2
2404	1972	CAPR	COUP	159	7.14	8.0	330.2	2.00	24.3
1159	1971	BUIC	RIVI	455	3.03	42.1	569.7	3.69	13.8
1160	1971	BUIC	SKYL	350	3.92	57.4	414.1	1.93	17.2
1161	1971	CHEV	VEGA	140	3.13	46.9	265.6	1.93	25.4
1162	1971	CHEV	MALI	350	1.72	16.9	524.7	1.78	15.9
1163	1971	CHEV	MALI	250	3.55	17.2	364.8	6.52	22.0
1164	1971	CHEV	IMPA	350	2.62	17.1	530.6	4.63	15.7
1165	1971	CHEV	STAW	350	4.73	78.8	475.4	4.20	14.5
1166	1971	CHRY	NEWY	440	4.78	10.9	570.5	3.61	14.7
1167	1971	DODG	CORO	318	1.87	5.4	441.2	4.01	19.5
1168	1971	FORD	PINT	122	3.13	29.4	265.0	2.44	27.6
1169	1971	FORD	STAW	302	2.48	41.4	401.0	2.58	18.7
1170	1971	FORD	MAVE	200	1.95	23.1	331.2	3.56	23.7
1171	1971	FORD	LTD	351	4.41	8.0	384.3	4.08	21.6
1172	1971	FORD	LTD	400	2.01	41.7	569.0	1.93	13.8
1173	1971	MERC	MONR	351	2.51	19.9	497.9	5.60	16.5
1174	1971	OLDS	STAW	455	1.38	14.3	670.2	6.16	12.7
1175	1971	PLYM	DUST	225	2.57	32.0	316.8	3.94	23.7
1176	1971	PONT	GRNV	455	5.91	41.0	523.7	3.60	14.6
1177	1971	PONT	LEMA	350	3.50	16.6	475.2	3.48	17.3
1178	1971	DATS	SEDA	97	2.44	16.0	215.3	5.87	35.8
1179	1971	TOYO	STAW	97	2.97	43.2	257.9	1.62	26.5
1180	1971	VOLK	SEDA	97	3.64	51.0	256.6	2.37	25.5

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
1405	1971	AMC	AMBA	360	2.07	17.2	460.2	2.30	18.0
1406	1971	BUIC	ELEC	455	3.92	47.8	618.1	3.24	12.6
1407	1971	CADI	DEVI	472	3.36	79.5	645.4	2.18	11.4
1408	1971	CHEV	CAMA	307	3.12	14.4	450.3	5.72	18.4
1409	1971	CHEV	MALI	307	3.05	4.4	440.8	2.79	19.4
1410	1971	CHEV	MONT	350	6.59	12.9	529.5	3.23	15.6
1411	1971	CHEV	CAPR	400	2.19	12.8	558.8	5.15	15.2
1412	1971	DODG	DART	225	3.43	48.7	311.2	2.35	22.3
1413	1971	FORD	MAVE	302	3.20	32.2	424.6	3.62	18.3
1414	1971	FORD	LTD	351	2.05	31.9	483.3	2.58	16.4
1415	1971	FORD	LTD	351	27.51	34.3	533.5	2.74	13.2
1416	1971	MERC	MARQ	429	3.94	22.3	461.4	4.34	17.4
1417	1971	OLDS	CUTL	350	3.39	17.4	473.9	1.84	17.3
1418	1971	OLDS	CUTL	350	2.88	26.7	446.3	3.28	17.8
1419	1971	PLYM	DUST	318	2.67	55.0	331.4	2.03	20.8
1420	1971	PLYM	FRY2	318	2.19	3.5	450.5	3.68	19.2
1421	1971	PONT	CATA	350	2.04	27.4	666.4	2.32	12.4
1422	1971	VOLK	SEDA	97	2.78	49.8	251.4	1.15	26.2
0181	1970	AMC	AMBA	360	3.72	51.1	478.6	2.14	15.6
0182	1970	BUIC	ELEC	455	5.59	43.5	510.7	2.89	14.9
0183	1970	CHEV	MONT	350	4.22	67.4	424.6	1.68	16.3
0184	1970	CHEV	MALI	307	4.68	32.7	396.2	4.57	19.2
0185	1970	CHEV	MALI	350	6.90	38.7	431.7	1.15	17.3
0186	1970	CHEV	IMPA	350	21.82	14.0	461.2	2.07	16.1
0187	1970	CHEV	CAPR	400	2.49	13.8	487.6	1.69	17.2
0188	1970	DODG	DART	225	2.78	33.9	300.8	5.43	24.5
0189	1970	FORD	MUST	302	2.70	37.8	424.1	2.44	18.0
0190	1970	FORD	FAIR	302	4.07	19.6	428.2	1.81	18.8
0191	1970	FORD	LTD	351	3.62	29.9	428.6	3.33	18.2
0192	1970	FORD	LTD	351	3.08	58.8	432.1	4.85	16.6
0193	1970	MERC	COUG	351	2.22	19.8	455.1	3.84	18.0
0194	1970	OLDS	CUTL	350	1.84	29.8	480.4	1.91	16.6

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LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
0195	1970	PLYM	STAW	383	3.91	53.0	487.3	4.01	15.2
0196	1970	PLYM	DUST	198	3.36	39.2	275.8	3.01	25.5
0197	1970	PONT	BONN	455	12.65	63.8	496.6	2.20	13.9
0198	1970	DATS	510	97	1.94	12.7	250.0	3.82	32.2
0199	1970	TOYO	SEDA	113	2.17	19.3	262.5	4.34	29.6
0200	1970	VOLK	SEDA	97	2.57	16.6	259.1	1.63	30.3
0423	1970	BUIC	LESA	350	3.56	61.6	458.1	3.29	15.7
0424	1970	BUIC	LESA	350	5.26	64.1	422.4	2.87	16.4
0425	1970	CADI	DEVI	472	2.49	51.6	677.8	4.27	11.6
0426	1970	CHEV	NOVA	307	2.82	28.8	369.1	1.38	21.0
0427	1970	CHEV	IMPA	350	3.27	68.4	468.0	1.64	15.2
0428	1970	CHEV	IMPA	400	4.46	61.8	458.0	1.28	15.6
0429	1970	CHRY	NEWP	383	2.82	41.3	503.7	3.52	15.4
0430	1970	DODG	CORO	318	9.06	46.4	394.3	3.44	17.9
0431	1970	FORD	MAVE	200	2.41	14.1	319.2	2.86	25.4
0432	1970	FORD	MUST	351	8.75	39.8	401.4	2.49	18.0
0433	1970	FORD	LTD	390	7.23	39.8	458.1	4.29	16.3
0434	1970	OLDS	NNTY	455	2.45	41.0	580.2	2.50	13.6
0435	1970	PLYM	FRY2	383	3.14	36.0	492.8	3.05	15.9
0436	1970	PONT	BONN	455	4.70	25.4	495.0	4.36	16.1
0437	1970	VOLK	SEDA	97	3.53	17.4	239.7	1.75	31.9
9438	1969	AMC	RAMB	199	20.32	16.1	286.9	2.58	23.6
9439	1969	BUIC	ELEC	430	5.25	43.7	684.0	8.21	11.5
9440	1969	BUIC	STAW	350	2.50	42.8	513.7	4.20	15.1
9441	1969	CADI	DEVI	472	2.60	22.2	518.6	4.95	15.8
9442	1969	CHEV	NOVA	307	3.59	51.2	398.0	1.63	18.1
9443	1969	CHEV	IMPA	350	2.94	20.4	438.7	3.60	18.5
9444	1969	CHEV	MALI	307	4.07	64.3	383.1	2.40	17.9
9445	1969	CHEV	IMPA	327	3.71	25.7	419.1	3.64	18.8
9446	1969	CHEV	IMPA	327	3.32	38.0	416.3	3.13	18.2
9447	1969	CHEV	BISC	250	4.23	12.9	354.3	7.04	22.9
9448	1969	CHEV	CAPR	350	19.54	35.6	518.4	2.48	13.9

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
9449	1969	CHRY	STAW	383	3.09	9.4	498.6	5.52	17.0
9450	1969	DODG	CORO	318	3.37	26.2	404.1	4.16	19.5
9451	1969	FORD	FAIR	250	4.27	39.5	338.9	6.00	21.4
9452	1969	FORD	MUST	302	5.95	61.5	344.9	4.68	19.3
9453	1969	FORD	TORI	351	2.60	21.6	435.3	2.85	18.6
9454	1969	FORD	LTD	390	3.99	3.9	487.6	4.86	17.5
9455	1969	FORD	MUST	302	3.58	18.5	412.8	5.31	19.6
9456	1969	FORD	STAW	390	2.79	20.2	535.6	4.57	15.4
9457	1969	MERC	MARQ	429	4.87	37.8	484.1	6.10	15.9
9458	1969	OLDS	NNTY	455	2.93	44.0	481.2	3.67	15.9
9459	1969	OLDS	DELT	350	4.16	25.0	439.6	2.97	18.0
9460	1969	PLYM	STAW	318	5.77	51.1	382.3	4.23	18.5
9461	1969	PLYM	VALI	225	3.07	22.0	292.4	4.61	26.4
9462	1969	PONT	LEMA	350	3.07	23.8	473.[illegible]	2.37	17.1
9463	1969	PONT	CATA	400	4.70	79.9	412.8	3.94	16.0
9464	1969	PONT	CATA	400	3.09	45.3	449.6	2.87	16.7
9465	1969	TOYO	CORO	116	3.52	25.0	404.5	9.78	19.5
9466	1969	VOLK	TRAN	97	4.23	51.1	305.8	1.96	22.2
9467	1969	VOLK	TRAN	97	3.83	29.3	303.7	1.82	24.5
8468	1967	AMC	STAW	199	7.38	54.2	302.6	5.10	21.6
8469	1967	AMC	STAW	232	2.06	2.7	311.8	3.01	27.5
8470	1967	AMC	REBE	290	7.09	89.7	363.0	3.33	16.9
8471	1967	BUIC	LESA	340	6.36	77.2	490.8	1.25	14.0
8472	1968	BUIC	RIVI	430	3.08	3.8	617.0	2.29	14.0
8473	1968	BUIC	STAW	350	4.49	80.3	435.2	2.09	15.4
8474	1966	CADI	FLEE	429	8.06	100.4	422.2	3.58	14.7
8475	1967	CHEV	IMPA	283	9.61	84.4	340.6	2.04	17.6
8476	1967	CHEV	CHEL	283	6.69	30.4	355.6	2.31	20.9
8477	1967	CHEV	BELA	283	8.03	48.7	348.6	2.67	19.7
8478	1968	CHEV	IMPA	307	6.87	47.4	429.6	1.80	16.9
8479	1967	CHEV	CAPR	327	6.14	66.0	375.8	1.20	17.8
8480	1968	CHEV	IMPA	307	5.16	28.0	414.8	3.23	18.7

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
8481	1967	CHEV	IMPA	283	6.85	54.4	339.0	2.91	19.9
8482	1967	CHEV	MALI	283	5.10	54.8	342.1	1.79	20.0
8483	1968	CHEV	IMPA	307	4.94	24.0	377.8	3.41	20.6
8484	1968	CHEV	IMPA	307	5.84	42.8	385.2	3.09	18.8
8485	1968	CHEV	STAW	327	10.20	151.4	372.3	1.80	13.8
8486	1968	CHEV	IMPA	327	3.91	47.4	401.1	2.16	18.2
8487	1968	CHRY	NEWP	383	3.34	40.1	463.6	3.01	16.5
8488	1966	DODG	DART	225	4.15	48.5	290.9	3.07	23.3
8489	1968	DODG	CORO	318	3.15	30.0	389.4	5.42	19.9
8490	1966	DODG	POLA	383	5.31	41.1	441.7	4.15	17.0
8491	1968	FORD	MUST	200	2.79	13.5	427.7	7.28	19.4
8492	1966	FORD	MUST	200	4.19	41.2	261.0	3.57	26.2
8493	1966	FORD	STAW	289	5.43	42.3	417.8	4.89	17.7
8494	1968	FORD	LTD	302	4.38	36.2	371.2	3.70	20.1
8495	1967	FORD	LTD	390	4.23	21.9	418.8	4.19	19.0
8496	1968	FORD	STAW	390	3.11	26.5	480.3	4.82	16.7
8497	1966	FORD	MUST	200	3.51	39.1	262.0	2.08	26.5
8498	1967	FORD	MUST	289	5.43	72.3	348.9	3.42	18.5
8499	1968	FORD	FAIR	289	2.87	28.1	392.9	2.78	19.9
8500	1968	FORD	STAW	390	2.28	47.5	497.1	2.20	15.3
8501	1966	FORD	STAW	428	3.43	23.8	491.0	5.04	16.5
8502	1967	LINC	CONT	462	3.68	70.6	518.9	1.51	13.8
8503	1967	MERC	COUG	289	3.40	36.3	395.2	2.79	19.2
8504	1967	OLDS	DLMN	330	5.19	50.9	332.5	1.87	20.7
8505	1968	OLDS	NNTY	455	3.68	88.3	465.8	2.01	14.4
8506	1968	OLDS	CUTL	350	8.54	177.3	311.6	0.63	14.4
8507	1968	PLYM	STAW	318	5.09	68.1	438.7	2.47	15.8
8508	1968	PLYM	VIP	318	4.14	52.7	435.1	5.53	16.7
8509	1968	PLYM	STAW	383	6.49	143.6	451.8	1.45	12.7
8510	1966	PLYM	VIP	383	4.06	34.1	419.4	3.52	18.3
8511	1967	PONT	LEMA	326	3.97	39.8	379.5	3.13	19.5
8512	1966	PONT	BONN	389	24.25	65.8	383.7	2.70	15.7

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
8513	1968	PONT	LEMA	350	2.88	28.7	437.3	4.80	18.1
8514	1967	PONT	CATA	400	3.78	31.1	408.4	4.24	18.9
8515	1966	PONT	BONN	389	27.85	89.1	412.8	1.82	13.8
8516	1966	VOLK	TRAN	91	3.79	23.6	282.6	2.55	26.8
8517	1968	VOLK	TRAN	97	7.89	98.3	254.4	0.53	20.5

APPENDIX I

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6018	1976	AMC	STAW	258	1.09	18.1	396.0	2.32	20.7
6019	1976	BUIC	CNTY	350	0.73	9.0	535.7	1.88	16.1
6020	1976	BUIC	ELEC	455	0.15	0.2	672.3	1.12	13.2
6021	1976	CADI	ELDO	500	0.32	0.3	706.9	1.65	12.5
6022	1976	CHEV	STAW	350	0.19	3.3	586.0	1.66	15.0
6023	1976	CHEV	MALI	350	0.30	8.2	554.1	0.98	15.6
6024	1976	CHEV	MONZ	140	0.89	10.2	396.7	1.01	21.4
6025	1976	CHEV	STAW	400	1.25	13.6	607.5	3.36	14.0
6026	1976	CHEV	MALI	305	0.14	0.5	420.7	1.56	21.0
6027	1976	CHEV	NOVA	250	0.41	1.1	399.6	1.85	22.0
6028	1976	CHEV	CHET	85	0.22	3.0	250.6	2.73	34.7
6029	1976	DODG	ASPE	318	1.17	2.0	477.3	1.30	18.3
6030	1976	DODG	ASPE	225	1.74	26.6	412.7	2.01	19.3
6031	1976	FORD	STAW	140	0.60	0.9	405.5	1.49	21.7
6032	1976	FORD	LTD	400	1.23	0.7	562.1	2.18	15.6
6033	1976	FORD	TORI	351	2.62	3.8	506.8	3.89	17.0
6034	1976	FORD	GRAN	250	0.49	4.9	558.3	0.76	15.6
6035	1976	FORD	GRAN	302	0.81	3.2	504.9	2.40	17.3
6036	1976	FORD	GRAN	351	1.50	6.3	511.1	3.14	16.9
6037	1976	MERC	MONG	400	1.47	0.2	573.1	2.97	15.4
6038	1976	MERC	MONA	250	0.51	0.0	392.7	1.64	22.5
6039	1976	OLDS	OMEG	260	0.46	4.2	477.5	0.93	18.3
6040	1976	OLDS	CUTL	350	1.25	4.3	432.6	1.35	20.0
6041	1976	OLDS	TORO	455	0.26	0.0	636.2	1.[illegible]5	13.9
6042	1976	PLYM	VOLA	225	1.35	3.4	388.7	7.19	22.3
6043	1976	PLYM	VOLA	318	1.73	1.6	477.4	2.03	18.3
6044	1976	PONT	LEMA	350	0.29	3.2	480.6	2.56	18.2
6045	1976	PONT	GRNP	400	1.30	5.6	512.8	4.12	16.9
6046	1976	DATS	B210	85	1.34	5.5	262.5	3.05	32.2
6047	1976	DATS	PICK	119	1.45	22.2	339.1	2.13	23.4
6048	1976	TOYO	CORO	97	0.82	10.4	303.0	2.00	27.6
6049	1976	TOYO	CELI	133	0.86	8.0	333.3	2.10	25.5

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6050	1976	VOLK	RABB	97	0.11	0.2	325.0	1.31	27.3
6051	1976	VOLK	RABB	97	0.28	0.7	301.7	1.75	29.2
6201	1976	AMC	HORN	304	0.39	2.8	529.2	1.15	16.6
6202	1976	AMC	STAW	258	0.65	2.0	417.9	1.56	21.0
6203	1976	AMC	MATA	360	0.15	1.3	560.1	2.41	15.8
6204	1976	AMC	PACE	232	2.79	11.2	423.1	2.89	19.7
6205	1976	BUIC	CNTY	231	1.11	20.3	398.3	1.30	20.5
6206	1976	BUIC	LESA	350	0.18	1.2	533.4	2.29	16.6
6207	1976	BUIC	CNTY	350	0.13	0.0	520.3	2.38	17.0
6208	1976	BUIC	ELEC	455	0.34	0.2	614.7	1.98	14.4
6209	1976	BUIC	CNTY	350	0.19	1.6	519.7	1.71	17.0
6210	1976	BUIC	CNTY	231	1.26	21.0	399.0	2.24	20.4
6211	1976	BUIC	SKYL	260	0.27	1.2	426.8	3.06	20.7
6212	1976	CADI	SEVI	350	0.58	0.4	493.6	1.78	17.9
6213	1976	CADI	DEVI	500	0.38	2.8	619.8	1.72	14.2
6214	1976	CADI	ELDO	500	0.60	6.9	620.6	1.02	14.0
6215	1976	CADI	DEVI	500	0.22	1.3	626.8	1.22	14.1
6216	1976	CHEV	CHET	85	0.93	11.4	276.5	1.95	29.8
6217	1976	CHEV	IMPA	350	0.26	1.0	596.5	1.56	14.8
6218	1976	CHEV	MALI	305	1.07	15.0	472.3	1.78	17.8
6219	1976	CHEV	MONT	350	1.02	9.8	498.9	1.43	17.1
6220	1976	CHEV	NOVA	250	2.44	49.8	353.1	1.96	20.2
6221	1976	CHEV	MONT	350	0.23	7.0	544.6	1.23	16.0
6222	1976	CHEV	CAMA	305	0.36	3.8	472.5	1.65	18.5
6223	1976	CHEV	CAPR	400	0.53	9.2	517.3	1.62	16.6
6224	1976	CHEV	STAW	350	2.28	63.2	518.2	1.02	14.2
6225	1976	CHEV	IMPA	400	0.17	0.6	546.3	2.13	16.2
6226	1976	CHEV	MONT	350	0.28	0.8	533.5	1.34	16.6
6227	1976	CHEV	MONT	350	0.12	1.2	521.5	1.68	16.9
6228	1976	CHEV	VEGA	140	1.38	16.7	331.2	1.01	24.5
6229	1976	CHEV	MONZ	262	0.62	4.8	485.4	2.26	17.9
6230	1976	CHEV	NOVA	350	1.04	11.6	505.0	1.52	16.9

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6231	1976	CHEV	MALI	350	0.40	10.2	576.0	0.90	15.0
6232	1976	CHEV	MALI	350	0.19	1.2	516.9	1.32	17.1
6233	1976	CHEV	MONT	350	0.66	13.7	509.4	1.08	16.7
6234	1976	CHEV	CAMA	305	0.54	0.6	451.6	1.79	19.5
6235	1976	CHEV	STAW	140	1.94	19.1	345.8	1.35	23.2
6236	1976	CHEV	MONT	350	1.46	46.4	474.7	0.80	16.1
6237	1976	CHEV	NOVA	250	0.23	0.4	378.8	1.08	23.3
6238	1976	CHEV	STAW	140	1.34	28.1	337.5	0.88	23.0
6239	1976	CHEV	NOVA	262	0.18	0.2	424.1	1.66	20.9
6240	1976	CHRY	CORD	400	0.25	1.9	607.8	3.40	14.5
6241	1976	CHRY	NEWP	400	2.29	23.3	662.9	2.11	12.6
6242	1976	DODG	ASPE	360	0.89	18.1	504.8	2.95	16.6
6243	1976	DODG	CHAR	400	1.19	12.1	595.3	1.04	14.4
6244	1976	DODG	ASPE	225	1.23	10.0	428.6	4.12	19.8
6245	1976	DODG	CHAR	360	0.29	1.4	621.2	1.45	14.2
6246	1976	DODG	DART	318	1.52	1.9	502.6	1.01	17.4
6247	1976	DODG	DART	225	1.27	8.3	367.9	2.22	23.1
6248	1976	FORD	LTD	400	0.77	0.1	559.4	2.59	15.8
6249	1976	FORD	ELIT	351	1.02	4.3	551.4	4.00	15.8
6250	1976	FORD	MAVE	250	0.87	3.8	431.6	1.08	20.2
6251	1976	FORD	STAW	460	1.76	24.5	565.6	2.03	14.6
6252	1976	FORD	STAW	140	0.78	2.9	346.0	1.26	25.1
6253	1976	FORD	GRAN	250	0.31	0.1	474.2	2.06	18.7
6254	1976	FORD	GRAN	302	1.32	7.3	467.0	2.15	18.4
6255	1976	FORD	STAW	140	0.72	1.4	394.8	1.96	22.2
6256	1976	FORD	ELIT	351	0.87	6.2	538.8	2.52	16.1
6257	1976	FORD	MUST	171	0.81	6.4	450.4	1.85	19.2
6258	1976	FORD	GRAN	250	0.15	0.1	525.6	0.94	16.9
6259	1976	FORD	PINT	140	0.76	1.5	337.7	1.63	25.9
6260	1976	FORD	STAW	400	0.42	0.6	597.2	1.91	14.8
6261	1976	FORD	TORI	351	0.83	1.5	517.9	1.90	17.0
6262	1976	FORD	LTD	400	0.57	0.6	589.2	1.15	15.0

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6263	1976	FORD	MUST	171	1.04	11.9	391.9	1.36	21.4
6264	1976	FORD	LTD	400	0.87	2.7	599.5	2.50	14.6
6265	1976	FORD	ELIT	351	1.20	7.6	520.8	3.51	16.5
6266	1976	FORD	GRAN	302	0.79	0.2	541.4	3.57	16.3
6267	1976	FORD	MUST	140	0.62	1.0	385.6	1.50	22.8
6268	1976	LINC	MRK4	460	1.02	15.8	704.9	2.06	12.1
6269	1976	LINC	MRK4	460	2.53	2.9	662.1	1.32	13.2
6270	1976	MERC	MONA	302	0.87	1.3	474.4	2.06	18.5
6271	1976	MERC	MARQ	400	0.55	0.6	586.3	2.38	15.1
6272	1976	MERC	MONA	302	0.84	0.9	559.6	1.47	15.7
6273	1976	MERC	MONG	400	2.04	17.9	543.0	1.51	15.4
6274	1976	MERC	MONA	302	0.68	1.9	505.1	2.14	17.4
6275	1976	OLDS	CUTL	350	1.55	24.0	462.8	0.96	17.6
6276	1976	OLDS	CUTL	350	0.40	2.2	470.2	1.15	18.7
6277	1976	OLDS	OMEG	260	1.16	15.6	413.6	1.30	20.1
6278	1976	OLDS	CUTL	260	0.08	0.1	448.2	2.51	19.8
6279	1976	OLDS	NNTY	455	0.34	2.3	538.9	1.31	16.3
6280	1976	OLDS	CUTL	350	0.15	0.0	501.0	0.91	17.7
6281	1976	OLDS	STAW	350	0.15	0.3	513.2	1.56	17.3
6282	1976	OLDS	CUTL	350	0.64	3.0	456.9	4.52	19.1
6283	1976	OLDS	NNTY	455	0.27	0.8	583.4	1.63	15.2
6284	1976	PLYM	STAW	318	4.93	66.6	438.2	1.70	15.9
6285	1976	PLYM	VOLA	318	2.31	18.4	472.5	2.04	17.4
6286	1976	PLYM	FURY	360	1.05	19.0	514.3	2.94	16.2
6287	1976	PLYM	STAW	225	3.43	38.5	317.5	2.06	22.8
6288	1976	PLYM	STAW	318	3.11	26.2	461.2	0.85	17.3
6289	1976	PLYM	VOLA	225	2.53	23.4	356.9	6.26	22.1
6290	1976	PLYM	VOLA	225	1.28	4.5	367.7	5.84	23.4
6291	1976	PONT	STAW	140	6.22	81.9	363.4	2.50	17.3
6292	1976	PONT	CATA	400	3.40	49.1	484.2	1.43	15.5
6293	1976	PONT	LEMA	350	0.21	2.5	519.0	2.43	17.0
6294	1976	PONT	VENT	260	0.08	0.0	477.1	1.39	18.6

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LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6295	1976	PONT	BONN	400	0.11	0.4	673.3	0.93	13.2
6296	1976	PONT	GRNP	350	0.62	3.7	567.8	0.76	15.4
6297	1976	PONT	LEMA	350	0.15	0.7	513.8	2.84	17.2
6298	1976	PONT	VENT	250	0.30	1.8	432.3	2.54	20.4
6299	1976	CAPR	GHIA	140	0.31	1.7	391.3	0.54	22.5
6300	1976	COLT	SEDA	97	1.05	15.5	293.2	1.88	27.7
6301	1976	DATS	B210	85	1.27	7.3	270.4	2.62	31.0
6302	1976	DATS	STAW	119	1.17	11.0	318.7	1.97	26.1
6303	1976	DATS	B210	85	0.67	2.9	268.7	2.47	32.2
6304	1976	FIAT	X1/9	79	1.14	19.9	332.0	0.74	24.2
6305	1976	FIAT	124	107	0.44	12.5	333.7	0.99	25.0
6306	1976	HOND	CIVI	76	1.05	18.9	261.9	1.06	30.1
6307	1976	HOND	CIVI	91	0.80	3.5	254.2	2.05	33.9
6308	1976	MAZD	MIZE	78	0.40	3.5	233.2	2.35	37.0
6309	1976	TOYO	CELI	133	0.62	11.9	349.5	1.25	24.0
6310	1976	TOYO	CORO	97	1.50	16.2	282.2	1.88	28.4
6311	1976	TOYO	CELI	133	0.27	10.8	394.4	1.50	21.5
6312	1976	TOYO	STAW	97	1.08	19.5	306.7	1.74	26.1
6313	1976	VOLK	STAW	97	0.91	5.7	300.1	2.24	28.5
6314	1976	VOLK	RABB	97	0.24	4.3	341.4	0.93	25.4
6315	1976	VOLK	SEDA	97	1.74	14.7	303.6	1.89	26.7
6316	1976	VOLV	264G	163	1.53	0.1	461.4	1.66	19.0
5052	1975	AMC	STAW	258	1.36	4.1	384.6	3.40	22.4
5053	1975	BUIC	CNTY	350	1.48	17.2	502.9	2.31	16.6
5054	1975	BUIC	LESA	350	2.04	54.7	549.8	1.28	13.8
5055	1975	CADI	DEVI	500	4.87	77.3	516.9	4.99	13.6
5056	1975	CHEV	VEGA	140	1.25	13.1	354.8	3.24	23.4
5057	1975	CHEV	MONT	350	0.18	0.8	508.6	1.19	17.4
5058	1975	CHEV	IMPA	350	2.50	32.4	534.8	1.20	14.9
5059	1975	CHEV	CAPR	400	0.29	0.0	579.5	3.14	15.3
5060	1975	CHEV	NOVA	250	1.67	11.6	346.8	1.89	24.0
5061	1975	CHRY	NEWP	400	1.46	34.5	590.6	1.66	13.7

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
5062	1975	DODG	DART	318	3.10	38.5	489.2	5.90	15.9
5063	1975	FORD	STAW	140	0.82	1.9	322.6	1.26	27.0
5064	1975	FORD	STAW	351	1.26	4.2	651.0	1.66	13.4
5065	1975	FORD	LTD	400	1.76	10.1	628.7	1.84	13.7
5066	1975	FORD	GRAN	250	0.45	0.6	374.7	1.27	23.5
5067	1975	FORD	GRAN	302	7.08	36.9	514.7	2.94	14.9
5068	1975	MERC	MARQ	460	0.89	25.7	653.3	2.73	12.7
5069	1975	OLDS	CUTL	350	0.32	0.0	465.8	1.53	19.0
5070	1975	OLDS	DELT	455	0.45	0.3	537.4	1.13	16.5
5071	1975	PLYM	VALI	225	0.20	0.3	407.8	5.74	21.7
5072	1975	PLYM	VALI	318	0.57	3.7	540.4	2.89	16.2
5073	1975	PONT	STAW	400	2.63	12.3	579.9	2.73	14.6
5074	1975	PONT	CATA	400	2.00	17.0	546.1	1.94	15.3
5075	1975	DATS	SEDA	85	1.26	6.9	276.5	1.73	30.5
5076	1975	TOYO	CORO	133	0.58	11.8	372.9	2.15	22.6
5077	1975	TOYO	CORO	133	0.75	6.8	381.5	1.93	22.5
5078	1975	VOLK	RABB	90	1.45	30.3	269.7	1.24	27.6
5079	1975	VOLK	RABB	90	0.43	1.4	303.3	1.98	28.9
5317	1975	AMC	HORN	304	0.28	1.2	505.4	2.10	17.5
5318	1975	BUIC	LESA	350	1.23	35.6	545.8	0.66	14.7
5319	1976	CADI	SEVI	350	0.48	0.6	579.2	1.01	15.3
5320	1975	CHEV	STAW	140	0.46	5.2	331.9	0.85	26.0
5321	1975	CHEV	CAMA	350	0.52	0.5	513.7	1.86	17.2
5322	1975	CHEV	NOVA	262	0.37	0.1	421.8	1.65	21.0
5323	1975	CHEV	MONT	350	2.32	38.6	516.6	2.28	15.2
5324	1975	CHEV	MONT	454	0.23	0.8	645.5	1.46	13.7
5325	1975	DODG	DART	225	1.60	24.9	338.5	2.37	23.2
5326	1975	FORD	STAW	171	0.56	1.8	415.4	2.65	21.1
5327	1975	FORD	LTD	400	0.32	4.3	747.4	1.66	11.8
5328	1975	FORD	TORI	351	2.42	2.2	598.3	2.37	14.6
5329	1975	LINC	CONT	460	0.83	17.3	697.1	2.61	12.2
5330	1975	MERC	MONA	302	0.63	0.5	543.8	1.84	16.2

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS	PER MILE	---		FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO$_2$	NOx$_c$	MPG
5331	1975	OLDS	OMEG	350	0.95	2.7	496.9	0.87	17.6
5332	1975	OLDS	DELT	350	2.52	21.7	508.9	1.72	16.1
5333	1975	PLYM	GRNF	360	0.35	8.4	592.1	2.46	14.6
5334	1975	PONT	LEMA	250	0.26	0.8	444.9	1.88	19.9
5335	1975	DATS	710	119	1.45	9.5	293.2	2.44	28.4
5336	1975	FIAT	124	107	3.23	55.6	344.2	0.74	20.1
5337	1975	HOND	CIVI	91	0.64	2.8	283.1	1.22	30.7
5338	1975	MAZD	COUP	97	0.41	8.4	384.3	0.49	22.3
4080	1974	AMC	MATA	304	3.03	27.8	454.7	4.90	17.5
4081	1974	BUIC	ELEC	455	2.08	4.2	605.4	5.57	14.3
4082	1974	CADI	DEVI	472	6.15	35.5	611.9	1.20	12.9
4083	1974	CHEV	VEGA	140	2.04	28.6	300.3	2.43	25.2
4084	1974	CHEV	MONT	350	1.69	49.8	535.5	1.46	14.3
4085	1974	CHEV	NOVA	250	2.12	11.1	383.6	1.26	21.8
4086	1974	CHEV	NOVA	350	1.73	6.1	540.8	0.73	16.0
4087	1974	CHEV	IMPA	350	2.80	16.7	552.6	1.08	15.1
4088	1974	CHEV	CAPR	400	1.49	10.2	642.4	0.86	13.4
4089	1974	CHRY	STAW	440	4.10	72.1	603.4	4.08	12.2
4090	1974	DODG	MONA	360	15.71	150.2	414.8	3.56	12.7
4091	1974	FORD	PINT	122	2.03	33.3	272.5	1.45	26.8
4092	1974	FORD	MAVE	302	2.22	24.4	491.2	1.26	16.5
4093	1974	FORD	MAVE	250	2.58	66.8	379.0	1.37	18.0
4094	1974	FORD	LTD	400	1.58	13.7	552.1	2.55	15.3
4095	1974	FORD	LTD	351	4.03	37.9	510.7	4.95	15.2
4096	1974	MERC	COME	302	2.66	19.9	373.0	1.15	21.5
4097	1974	OLDS	CUTL	350	2.72	23.2	579.0	2.08	14.2
4098	1974	OLDS	NNTY	455	0.72	5.0	738.5	2.38	11.9
4099	1974	PLYM	SATE	318	2.72	27.8	453.0	2.89	17.6
4100	1974	PLYM	DUST	225	3.41	50.3	345.9	5.91	20.4
4101	1974	PONT	LEMA	350	2.85	28.2	493.8	4.65	16.2
4102	1974	DATS	STAW	119	1.12	12.1	347.5	1.69	24.0
4103	1974	TOYO	CORO	97	2.27	25.8	266.5	1.58	28.2

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
4104	1974	TOYO	CORO	120	2.20	13.1	328.0	2.30	25.0
4105	1974	VOLK	SEDA	97	2.35	30.3	252.7	1.77	28.8
4106	1974	VOLK	SEDA	97	3.49	55.3	273.4	0.76	23.9
4339	1974	AMC	HORN	258	0.48	15.0	511.1	1.16	16.6
4340	1974	BUIC	REGA	350	1.93	29.3	528.9	0.89	15.3
4341	1974	BUIC	CNTY	350	1.43	22.0	503.0	1.16	16.4
4342	1974	CHEV	MALI	350	1.45	31.3	570.2	0.88	14.2
4343	1974	CHEV	IMPA	350	2.72	57.6	567.6	2.91	13.3
4344	1974	CHEV	IMPA	350	2.30	34.4	578.7	2.16	13.9
4345	1974	CHEV	STAW	400	3.76	79.5	567.1	3.52	12.6
4346	1974	CHEV	VEGA	140	2.69	45.7	328.7	1.59	21.7
4347	1974	DODG	DART	225	3.35	53.8	334.0	3.27	20.7
4348	1974	DODG	DART	318	2.70	19.7	484.4	3.21	16.9
4349	1974	FORD	TORI	351	1.69	38.6	581.6	2.88	13.7
4350	1974	FORD	LTD	400	1.97	6.4	661.6	2.01	13.1
4351	1974	FORD	THND	460	4.01	148.4	547.2	1.05	11.2
4352	1974	FORD	PINT	140	2.85	54.7	288.8	1.87	23.1
4353	1974	LINC	CONT	460	4.51	112.2	548.5	1.99	12.0
4354	1974	MERC	MONR	400	2.01	31.1	568.1	2.53	14.2
4355	1974	OLDS	CUTL	350	3.57	45.8	548.6	1.29	14.0
4356	1974	PLYM	VALI	318	2.69	33.8	447.2	2.21	17.4
4357	1974	PONT	BONN	400	2.87	22.2	615.2	1.11	13.5
4358	1974	PONT	FIRE	350	3.13	19.8	537.7	4.37	15.3
4359	1974	CAPR	COUP	122	1.92	15.1	259.4	1.92	30.7
4360	1974	DATS	SEDA	79	2.19	13.4	300.1	1.32	27.0
4361	1974	MAZD	RX2	70	18.01	121.9	301.2	0.43	16.1
3107	1973	AMC	GREM	232	3.05	30.5	377.6	1.84	20.4
3108	1973	BUIC	RIVI	455	3.63	8.0	733.2	1.14	11.7
3109	1973	BUIC	CNTY	350	1.48	11.0	483.3	4.08	17.6
3110	1973	CADI	DEVI	472	1.80	25.9	679.3	2.47	12.2
3111	1973	CHEV	VEGA	140	1.84	10.0	194.4	2.07	41.1
3112	1973	CHEV	NOVA	350	2.51	60.7	487.1	0.90	15.0

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE	YEAR	MAKE	MODL	CID	--- GRAMS PER MILE --- HC	CO	CO_2	NOx_c	FUEL MPG
3113	1973	CHEV	NOVA	350	1.55	23.0	494.8	0.68	16.6
3114	1973	CHEV	IMPA	350	2.39	24.5	552.8	4.19	14.8
3115	1973	CHEV	IMPA	350	1.54	21.6	525.3	2.25	15.7
3116	1973	DODG	DART	225	2.82	39.3	352.5	3.60	21.0
3117	1973	FORD	STAW	122	2.20	15.4	248.7	2.86	31.7
3118	1973	FORD	TORI	351	3.79	54.0	688.8	1.57	11.3
3119	1973	FORD	MAVE	302	2.76	32.2	414.9	1.74	18.7
3120	1973	FORD	GALA	351	3.56	76.8	465.7	4.00	14.8
3121	1973	FORD	LTD	400	1.98	13.8	527.0	2.89	16.0
3122	1973	MERC	MONR	400	1.70	36.4	608.4	2.97	13.2
3123	1973	OLDS	STAW	455	2.09	4.7	676.5	5.46	12.9
3124	1973	OLDS	CUTL	350	2.84	20.9	495.7	2.93	16.5
3125	1973	PLYM	SATE	318	3.13	35.5	467.1	2.09	16.7
3126	1973	PLYM	DUST	225	3.49	50.7	285.4	2.18	23.6
3127	1973	PONT	BONN	400	3.94	60.7	603.7	1.35	12.5
3128	1973	PONT	CATA	350	2.49	16.7	621.0	1.26	13.5
3129	1973	DATS	PICK	97	2.37	7.9	307.5	1.81	27.1
3130	1973	OPEL	MANT	116	1.97	44.2	290.3	1.08	24.3
3131	1973	TOYO	CARI	97	1.89	23.4	281.4	1.67	27.4
3132	1973	VOLK	SEDA	103	2.89	38.9	223.5	2.25	30.2
3133	1973	VOLK	SEDA	97	2.14	15.4	247.3	1.95	31.9
3362	1973	BUIC	CNTY	350	2.44	22.5	544.8	1.67	15.1
3363	1973	BUIC	ELEC	455	1.50	20.8	729.9	1.76	11.6
3364	1973	CHEV	STAW	400	1.70	26.0	737.9	1.09	11.3
3365	1973	CHEV	STAW	140	5.73	45.0	305.7	2.02	22.5
3366	1973	CHEV	CAMA	350	5.18	103.4	354.8	1.51	16.6
3367	1973	CHEV	IMPA	350	1.86	46.8	490.0	3.41	15.6
3368	1973	CHEV	NOVA	307	2.39	6.5	488.3	1.75	17.5
3369	1973	CHEV	STAW	454	5.78	35.9	596.4	3.00	13.2
3370	1973	CHRY	NEWP	400	2.81	38.8	488.2	1.94	15.9
3371	1973	DODG	CHAR	318	2.67	36.1	462.6	3.62	16.8
3372	1973	DODG	POLA	360	2.09	21.6	572.6	5.23	14.5

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
3373	1973	FORD	PINT	122	5.98	162.7	206.3	0.22	18.5
3374	1973	FORD	TORI	351	3.90	64.4	418.0	1.33	16.7
3375	1973	FORD	LTD	400	4.80	53.4	512.7	3.41	14.5
3376	1973	FORD	LTD	460	2.59	39.2	637.9	1.84	12.5
3377	1973	MERC	MONG	302	2.81	13.9	520.6	2.58	16.1
3378	1973	OLDS	CUTL	350	2.11	6.1	566.7	1.81	15.2
3379	1973	OLDS	DELT	455	1.93	19.6	584.3	2.37	14.3
3380	1973	PLYM	SATE	318	3.39	46.1	475.6	2.59	15.9
3381	1973	PONT	LEMA	350	5.08	45.1	472.1	1.75	15.9
3382	1973	PONT	BONN	400	1.89	6.9	661.8	1.24	13.1
3383	1973	CAPR	COUP	122	2.38	22.2	229.2	1.43	32.7
3384	1973	MAZD	STAW	70	8.37	47.5	350.2	0.81	19.7
2134	1972	AMC	GREM	258	1.49	9.2	366.7	2.80	23.0
2135	1972	BUIC	RIVI	455	11.23	12.6	674.8	4.07	12.2
2136	1972	CADI	DEVI	472	2.71	65.5	611.5	1.06	12.3
2137	1972	CHEV	STAW	140	1.76	20.2	390.2	1.46	20.8
2138	1972	CHEV	MALI	350	2.49	32.0	501.3	2.30	15.9
2139	1972	CHEV	MONT	350	2.57	36.7	455.4	2.34	17.0
2140	1972	CHEV	NOVA	307	2.71	26.6	432.2	2.57	18.4
2141	1972	CHEV	IMPA	350	1.89	32.6	539.7	2.45	14.9
2142	1972	CHEV	IMPA	400	1.75	33.5	554.8	3.05	14.5
2143	1972	DODG	DART	318	2.22	8.4	434.6	2.78	19.5
2144	1972	FORD	PINT	122	1.90	11.8	258.7	3.53	31.3
2145	1972	FORD	STAW	351	1.43	8.3	547.1	2.07	15.7
2146	1972	FORD	MAVE	200	3.51	47.6	319.6	3.78	21.9
2147	1972	FORD	LTD	351	5.40	46.7	469.0	3.84	15.9
2148	1972	FORD	LTD	400	2.02	31.9	564.6	3.42	14.3
2149	1972	MERC	MONR	400	2.96	20.1	561.4	3.70	14.7
2150	1972	OLDS	CUTL	350	3.11	48.2	450.0	2.21	16.6
2151	1972	PLYM	DUST	225	3.75	60.0	335.3	1.83	20.1
2152	1972	PLYM	FRY3	360	3.49	66.8	509.6	3.25	14.2
2153	1972	PONT	FIRE	400	3.50	53.0	540.1	1.35	14.0

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
2154	1972	PONT	LEMA	350	3.96	44.4	461.4	2.58	16.3
2155	1972	DATS	STAW	97	2.96	17.4	339.3	1.82	23.6
2156	1972	TOYO	CORO	120	1.97	47.4	277.7	1.16	24.8
2157	1972	VOLK	SEDA	97	3.75	27.7	265.1	1.76	27.7
2158	1972	VOLK	STAW	103	2.94	28.9	326.4	1.38	23.3
2385	1972	BUIC	SKYL	350	3.27	45.9	414.6	2.73	17.9
2386	1972	BUIC	STAW	455	1.08	7.3	824.1	3.55	10.6
2387	1972	CHEV	VEGA	140	1.86	18.5	332.1	2.35	24.2
2388	1972	CHEV	CHEL	307	2.91	13.7	461.9	1.77	18.0
2389	1972	CHEV	IMPA	350	2.34	28.9	541.1	2.28	14.9
2390	1972	CHEV	IMPA	350	3.49	67.0	482.7	1.98	14.8
2391	1972	CHEV	STAW	400	3.06	5.9	521.4	3.97	16.4
2392	1972	CHRY	NEWP	400	2.46	33.5	610.0	2.27	13.2
2393	1972	DODG	DART	225	2.28	23.6	275.7	1.41	27.7
2394	1972	FORD	PINT	122	1.33	10.1	307.7	2.49	27.1
2395	1972	FORD	TORI	302	2.45	15.9	524.0	1.90	15.9
2396	1972	FORD	TORI	351	2.00	24.0	525.9	2.94	15.6
2397	1972	FORD	LTD	429	3.27	36.3	600.1	2.58	13.3
2398	1972	LINC	MRK4	460	2.55	17.7	631.0	4.73	13.3
2399	1972	MERC	MARQ	429	1.51	7.2	603.1	3.95	14.3
2400	1972	OLDS	CUTL	350	1.77	18.2	557.5	2.31	15.0
2401	1972	OLDS	ROYA	455	1.59	8.5	600.2	3.31	14.3
2402	1972	PLYM	DUST	318	2.95	39.8	397.0	3.03	18.9
2403	1972	PONT	STAW	455	3.70	9.8	596.8	3.08	14.2
2404	1972	CAPR	COUP	122	2.07	14.6	274.6	1.48	29.2
1159	1971	BUIC	ELEC	455	3.35	23.0	709.5	2.70	11.7
1160	1971	BUIC	SKYL	350	3.45	70.2	431.6	2.49	16.1
1161	1971	CHEV	VEGA	140	2.64	14.4	300.6	1.27	26.8
1162	1971	CHEV	MALI	350	2.21	20.1	480.9	2.13	17.1
1163	1971	CHEV	CAMA	307	1.82	12.4	497.1	1.95	17.0
1164	1971	CHEV	IMPA	350	1.88	8.1	525.7	3.15	16.3
1165	1971	CHEV	BELA	350	3.46	17.0	420.6	2.53	19.4

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE	YEAR	MAKE	MODL	CID	--- GRAMS PER MILE --- HC	CO	CO_2	NOx_c	FUEL MPG
1166	1971	CHRY	NEWP	440	3.03	31.5	603.3	2.64	13.4
1167	1971	DODG	CORO	318	3.43	23.6	412.1	4.24	19.3
1168	1971	FORD	PINT	122	2.21	38.6	250.5	1.79	27.9
1169	1971	FORD	TORI	302	2.31	8.9	511.7	2.36	16.7
1170	1971	FORD	MUST	250	2.80	14.9	380.8	5.77	21.5
1171	1971	FORD	GALA	351	3.87	6.2	428.9	4.68	19.7
1172	1971	FORD	LTD	400	2.43	8.0	663.6	2.07	13.0
1173	1971	MERC	COUG	351	3.01	13.0	494.5	2.38	16.9
1174	1971	OLDS	NNTY	455	3.15	22.0	579.0	4.53	14.2
1175	1971	PLYM	VALI	225	2.19	22.7	353.8	3.98	22.4
1176	1971	PONT	BONN	455	3.62	54.1	504.4	1.74	14.8
1177	1971	PONT	LEMA	350	2.27	20.8	593.5	1.90	14.0
1178	1971	DATS	STAW	97	3.47	10.0	248.6	5.92	32.2
1179	1971	TOYO	CORO	71	3.94	38.6	236.4	1.35	28.7
1180	1971	VOLK	SEDA	97	1.76	29.8	317.7	1.47	24.0
1405	1971	AMC	AMBA	360	2.81	23.7	485.7	3.21	16.7
1406	1971	BUIC	STAW	455	2.07	26.1	816.8	2.92	10.3
1407	1971	CADI	DEVI	472	2.26	68.6	568.5	1.89	13.0
1408	1971	CHEV	CHEL	350	4.79	6.8	422.0	3.93	19.8
1409	1971	CHEV	MALI	307	3.80	17.0	394.5	2.30	20.5
1410	1971	CHEV	MALI	350	2.40	34.7	454.4	1.45	17.2
1411	1971	CHEV	IMPA	400	2.48	46.5	592.3	2.83	13.2
1412	1971	DODG	DART	225	3.29	46.4	324.1	2.91	21.8
1413	1971	FORD	STAW	302	4.55	13.2	509.4	3.60	16.3
1414	1971	FORD	TORI	351	8.49	95.5	506.7	2.60	13.0
1415	1971	FORD	GALA	351	7.66	60.0	443.9	3.48	15.8
1416	1971	MERC	STAW	400	2.04	27.3	785.8	2.80	10.6
1417	1971	OLDS	STAW	350	2.99	31.2	475.1	3.08	16.6
1418	1971	OLDS	CUTL	350	2.70	30.2	475.4	3.02	16.7
1419	1971	PLYM	VALI	318	4.50	54.9	398.4	3.38	17.8
1420	1971	PLYM	FRY3	360	2.46	37.1	484.6	3.16	16.1
1421	1971	PONT	VENT	307	3.41	35.4	448.9	2.62	17.2

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
1422	1971	VOLK	SEDA	97	3.53	40.9	268.2	1.57	25.8
0181	1970	AMC	HORN	232	1.66	25.0	375.6	1.79	21.1
0182	1970	BUIC	WILD	455	3.17	51.0	635.2	2.73	12.2
0183	1970	CHEV	NOVA	307	3.49	68.1	441.3	1.29	15.9
0184	1970	CHEV	MALI	307	2.93	32.1	355.4	3.37	21.4
0185	1970	CHEV	MALI	350	2.77	13.2	469.4	3.01	17.8
0186	1970	CHEV	IMPA	350	4.93	44.4	445.2	2.00	16.7
0187	1970	CHEV	IMPA	400	2.64	24.6	458.6	2.64	17.6
0188	1970	DODG	CORO	225	2.60	35.5	285.7	2.63	25.4
0189	1970	FORD	MUST	302	2.92	56.7	503.4	1.62	14.7
0190	1970	FORD	TORI	302	2.87	12.1	448.1	2.11	18.6
0191	1970	FORD	GALA	351	3.54	29.5	487.3	3.34	16.3
0192	1970	FORD	GALA	351	2.27	10.0	554.5	3.87	15.4
0193	1970	MERC	STAW	390	2.26	44.7	524.0	2.12	14.8
0194	1970	OLDS	CUTL	350	3.68	3.0	439.9	4.24	19.5
0195	1970	PLYM	STAW	383	3.43	78.2	517.1	3.82	13.6
0196	1970	PLYM	DUST	318	10.82	7.4	460.6	4.59	17.5
0197	1970	PONT	FIRE	350	2.65	47.5	461.5	0.96	16.3
0198	1970	DATS	510	97	2.00	9.7	250.8	3.98	32.6
0199	1970	TOYO	CORO	116	1.68	21.6	283.0	3.51	27.5
0200	1970	VOLK	KARM	97	3.00	34.0	271.4	1.83	26.5
0423	1970	BUIC	SKYL	350	3.11	54.5	368.0	1.41	19.1
0424	1970	BUIC	LESA	350	5.06	91.1	425.4	2.30	15.2
0425	1970	CADI	DEVI	472	7.73	263.9	372.9	0.33	10.9
0426	1970	CHEV	MALI	307	5.09	58.9	392.9	3.61	17.7
0427	1970	CHEV	MONT	350	7.63	43.2	497.2	1.89	15.1
0428	1970	CHEV	IMPA	350	4.75	57.7	405.8	3.07	17.4
0429	1970	CHRY	NEWP	383	3.80	57.0	472.0	3.24	15.5
0430	1970	DODG	STAW	318	7.47	8.6	536.4	4.64	15.5
0431	1970	FORD	MAVE	200	1.20	5.4	346.1	3.00	24.8
0432	1970	FORD	STAW	351	3.13	10.1	503.6	4.36	16.8
0433	1970	FORD	LTD	390	8.17	122.3	424.7	1.57	13.8

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
0434	1970	OLDS	CUTL	350	3.21	55.5	445.7	1.22	16.3
0435	1970	PLYM	FRY2	318	5.15	78.0	395.5	3.33	16.6
0436	1970	PONT	GRNP	400	4.61	46.2	475.9	3.20	15.8
0437	1970	VOLK	SEDA	97	3.39	31.2	255.2	1.79	28.2
9438	1969	AMC	AMER	199	3.39	34.5	288.5	2.95	25.1
9439	1969	BUIC	ELEC	430	4.53	145.0	442.7	0.90	13.0
9440	1969	BUIC	SKYL	350	3.17	36.1	428.8	3.48	17.9
9441	1969	CADI	FLEE	472	1.47	53.6	630.2	1.93	12.3
9442	1969	CHEV	NOVA	307	3.78	33.2	393.9	2.72	19.4
9443	1969	CHEV	CAPR	350	2.85	7.6	469.8	4.39	18.1
9444	1969	CHEV	CHEL	307	3.27	51.0	379.4	2.32	18.9
9445	1969	CHEV	IMPA	327	5.84	74.5	408.5	2.37	16.3
9446	1969	CHEV	IMPA	350	3.45	29.4	427.4	3.89	18.3
9447	1969	CHEV	NOVA	230	2.62	27.6	314.5	2.80	24.2
9448	1969	CHEV	IMPA	350	4.78	75.1	424.7	3.43	15.9
9449	1969	CHRY	NEWP	383	3.23	19.2	493.4	2.94	16.6
9450	1969	DODG	CORO	318	3.84	56.8	406.0	4.83	17.5
9451	1969	FORD	MUST	200	2.71	20.1	302.4	3.71	25.9
9452	1969	FORD	GALA	302	5.55	43.5	408.3	6.55	18.0
9453	1969	FORD	TORI	351	3.73	6.8	450.4	1.64	18.8
9454	1969	FORD	XL	390	4.15	42.7	484.5	3.82	15.7
9455	1969	FORD	STAW	302	3.32	10.8	373.4	2.94	22.1
9456	1969	FORD	STAW	429	8.75	136.7	485.3	1.95	12.2
9457	1969	MERC	STAW	390	3.15	27.2	466.4	2.24	17.1
9458	1969	OLDS	NNTY	455	3.00	62.3	464.1	2.03	15.5
9459	1969	OLDS	CUTL	350	8.55	27.3	423.4	2.40	18.0
9460	1969	PLYM	SATE	318	3.86	43.4	411.5	4.41	18.0
9461	1969	PLYM	VALI	225	1.81	10.0	304.3	2.71	27.2
9462	1969	PONT	STAW	350	3.48	45.6	432.4	4.57	17.2
9463	1969	PONT	BONN	400	6.69	157.4	406.9	0.94	13.1
9464	1969	PONT	CATA	400	5.63	91.9	399.6	2.93	15.8
9465	1969	TOYO	CORO	116	2.60	66.6	251.6	1.65	24.4

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
9466	1969	VOLK	SEDA	91	2.96	23.9	271.7	1.67	27.9
9467	1969	VOLK	SEDA	91	3.76	33.6	233.5	1.34	29.8
8468	1968	AMC	REBE	343	2.88	17.3	448.5	2.11	18.3
8469	1965	AMC	CLAS	232	4.52	96.1	278.2	1.07	20.0
8470	1966	AMC	ROGU	290	9.21	128.4	346.1	1.42	15.4
8471	1967	BUIC	LESA	340	7.01	126.6	327.2	0.37	16.2
8472	1968	BUIC	ELEC	430	4.57	90.4	501.1	3.92	13.5
8473	1968	BUIC	SKYL	350	2.61	14.9	500.3	2.24	16.7
8474	1966	CADI	DEVI	429	2.79	29.0	525.9	3.50	15.3
8475	1967	CHEV	NOVA	250	4.65	74.7	284.7	0.62	21.3
8476	1967	CHEV	STAW	283	6.04	75.0	395.0	2.10	16.7
8477	1967	CHEV	IMPA	283	11.84	63.1	354.4	5.33	18.1
8478	1968	CHEV	IMPA	307	3.76	24.4	413.4	3.10	19.1
8479	1968	CHEV	IMPA	327	5.21	121.0	444.9	1.23	13.6
8480	1967	CHEV	STAW	396	5.86	107.6	444.4	1.67	14.0
8481	1967	CHEV	NOVA	283	6.37	61.7	326.4	1.65	20.0
8482	1966	CHEV	MALI	283	2.83	24.2	390.8	1.30	20.3
8483	1968	CHEV	MALI	307	6.56	79.3	426.5	0.96	15.5
8484	1968	CHEV	CHEL	307	2.44	12.8	379.5	4.03	21.8
8485	1968	CHEV	CAPR	327	3.90	60.3	440.4	1.61	16.2
8486	1968	CHEV	STAW	396	10.49	159.3	400.9	1.14	13.0
8487	1968	CHRY	NEWP	383	3.50	64.0	504.5	1.84	14.4
8488	1968	DODG	DART	225	3.08	50.6	302.7	1.00	22.6
8489	1967	DODG	CORO	318	3.96	39.3	342.3	3.42	21.3
8490	1968	DODG	POLA	383	4.53	56.2	412.6	2.53	17.2
8491	1967	FORD	FALC	200	2.64	27.4	324.1	3.08	23.6
8492	1968	FORD	MUST	289	3.18	47.3	404.9	1.63	18.1
8493	1968	FORD	FAIR	289	5.11	41.3	420.5	2.71	17.7
8494	1968	FORD	CUST	302	3.92	88.6	380.0	0.81	16.7
8495	1968	FORD	TORI	302	11.87	16.2	371.1	2.99	20.4
8496	1966	FORD	STAW	390	6.59	123.9	553.3	1.76	11.5
8497	1966	FORD	FALC	200	3.32	28.6	274.5	2.08	26.9

APPENDIX I CONT'D

LISTING OF FEDERAL SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
8498	1968	FORD	MUST	289	2.83	13.5	411.5	2.63	20.1
8499	1968	FORD	RANC	289	3.73	46.9	372.5	1.95	19.4
8500	1967	FORD	STAW	390	3.33	45.9	537.7	1.99	14.3
8501	1968	FORD	THND	429	4.21	24.5	530.5	3.30	15.2
8502	1965	LINC	CONT	462	13.93	217.7	424.7	1.08	10.9
8503	1967	MERC	COUG	289	6.28	50.6	348.0	0.98	19.8
8504	1967	OLDS	CUTL	330	3.76	26.1	489.3	2.65	16.4
8505	1965	OLDS	NNTY	425	5.49	86.9	524.0	1.19	13.1
8506	1968	OLDS	CUTL	350	9.15	72.0	447.5	1.64	15.1
8507	1968	PLYM	SATE	318	2.61	23.2	475.6	2.85	17.1
8508	1968	PLYM	FRY3	318	4.17	34.8	376.8	3.80	20.0
8509	1968	PLYM	FRY3	383	4.25	64.2	463.4	2.57	15.4
8510	1966	PLYM	SPOR	383	6.09	90.2	525.5	1.35	12.9
8511	1967	PONT	LEMA	326	3.88	36.7	464.2	4.04	16.6
8512	1968	PONT	STAW	400	4.50	58.3	427.3	1.06	16.6
8513	1968	PONT	STAW	350	3.85	31.2	521.8	5.34	15.2
8514	1968	PONT	CATA	400	3.51	21.4	563.0	2.21	14.6
8515	1968	PONT	CATA	400	2.69	24.9	460.7	3.58	17.5
8516	1968	VOLK	SEDA	91	8.85	89.0	165.8	0.57	26.6
8517	1966	VOLK	SEDA	97	4.00	35.1	237.2	1.77	29.1

APPENDIX J - LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE RESULTS ON INDIVIDUAL VEHICLES

Legend

VEHICLE - Vehicle Number

YEAR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

CID - Engine Displacement in Cubic Inches

HC - Hydrocarbon Emissions in grams per mile

CO - Carbon Monoxide Emissions in grams per mile

CO_2 - Carbon Dioxide Emissions in grams per mile

NOx_c - Oxides of Nitrogen Emissions corrected for humidity in grams per mile

MPG - Fuel Economy in miles per gallon, Calculated Using the Carbon Balance Method

APPENDIX J

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE			---	FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
7001	1976	CHEV	C10	350	5.13	94.8	563.8	0.97	12.2
7002	1976	CHEV	VAN	350	0.24	0.4	725.9	1.29	12.2
7003	1976	CHEV	C10	350	0.70	8.5	600.8	1.33	14.4
7004	1976	CHEV	C10	350	0.16	1.0	770.3	1.48	11.5
7005	1976	DODG	VAN	318	2.09	73.5	604.0	1.88	12.2
7006	1976	DODG	VAN	225	1.01	14.9	569.2	2.35	14.9
7007	1976	FORD	F100	302	0.38	0.2	739.5	1.95	12.0
7008	1976	FORD	F100	360	1.31	7.3	809.7	2.23	10.8
7009	1976	FORD	F100	360	1.56	10.1	887.1	1.44	9.8
7010	1976	FORD	COUR	110	1.59	19.4	489.2	1.13	16.9
7011	1975	CHEV	C10	350	1.87	49.2	718.2	1.20	11.1
7012	1975	CHEV	G10	350	0.55	0.0	700.3	1.07	12.6
7013	1975	CHEV	VAN	350	0.96	0.2	776.9	1.43	11.4
7014	1975	DODG	B100	318	0.16	1.5	698.9	1.86	12.6
7015	1975	FORD	F100	302	0.51	0.9	752.4	1.38	11.8
7016	1975	FORD	F100	302	0.52	9.0	755.0	1.00	11.5
7017	1975	FORD	F100	360	0.27	23.1	968.3	1.14	8.8
6018	1976	AMC	HORN	258	0.94	2.2	503.9	4.94	17.4
6019	1976	BUIC	REGA	350	0.30	0.5	703.2	1.14	12.6
6020	1976	BUIC	STAW	455	0.30	1.6	875.6	1.00	10.1
6021	1976	CADI	DEVI	500	0.31	0.0	831.2	1.60	10.7
6022	1976	CHEV	IMPA	350	0.26	1.3	715.8	2.27	12.3
6023	1976	CHEV	MONT	350	0.18	0.4	755.6	1.04	11.7
6024	1976	CHEV	VEGA	140	1.56	52.6	461.0	2.30	16.2
6025	1976	CHEV	STAW	400	5.36	107.1	649.1	1.78	10.6
6026	1976	CHEV	MALI	305	3.53	94.9	592.0	1.35	11.8
6027	1976	CHEV	CAMA	250	4.08	92.1	466.3	1.13	14.2
6028	1976	CHEV	CHET	85	5.07	72.5	331.0	2.07	19.3
6029	1976	DODG	DART	318	3.00	13.4	596.6	2.50	14.2
6030	1976	DODG	DART	225	0.90	4.1	449.0	1.56	19.4
6031	1976	FORD	MUST	140	0.59	0.4	539.5	2.44	16.4
6032	1976	FORD	LTD	400	5.89	120.4	685.9	1.90	9.9

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6033	1976	FORD	ELIT	351	1.24	6.1	760.2	2.27	11.5
6034	1976	FORD	MAVE	250	0.51	0.2	620.6	4.52	14.3
6035	1976	FORD	GRAN	302	5.91	86.6	558.9	3.33	12.4
6036	1976	FORD	STAW	351	1.34	8.0	705.5	2.54	12.3
6037	1976	MERC	MARQ	400	1.33	0.1	868.8	2.22	10.2
6038	1976	MERC	MONA	250	1.66	25.6	611.8	2.48	13.5
6039	1976	OLDS	CUTL	260	0.20	0.1	575.6	1.25	15.4
6040	1976	OLDS	CUTL	350	0.35	3.5	636.1	0.88	13.8
6041	1976	OLDS	NNTY	455	0.20	0.0	718.7	1.12	12.3
6042	1976	PLYM	VALI	225	1.61	8.0	464.5	2.15	18.4
6043	1976	PLYM	FURY	318	6.80	84.3	499.2	3.29	13.6
6044	1976	PONT	GRNP	350	0.24	0.1	711.7	1.46	12.5
6045	1976	PONT	TRAN	400	2.16	30.8	643.2	1.66	12.7
6046	1976	DATS	B210	85	1.99	11.8	372.1	1.89	22.4
6047	1976	DATS	710	119	2.24	23.0	515.8	4.37	15.9
6048	1976	TOYO	CORO	97	1.41	18.1	399.2	2.71	20.5
6049	1976	TOYO	STAW	133	0.72	13.5	562.1	2.02	15.2
6050	1976	VOLK	RABB	97	0.16	0.2	490.7	2.68	18.1
6051	1976	VOLK	RABB	97	1.70	4.9	458.5	1.71	18.8
6201	1976	AMC	STAW	304	0.35	6.8	683.3	0.91	12.8
6202	1976	AMC	PACE	258	1.19	2.4	520.3	3.82	16.8
6203	1976	AMC	MATA	304	0.42	0.1	691.5	5.01	12.8
6204	1976	AMC	GREM	232	1.44	13.5	494.5	4.30	17.1
6205	1976	BUIC	CNTY	231	0.16	2.1	563.6	2.00	15.6
6206	1976	BUIC	LESA	350	0.11	0.5	686.0	1.78	12.9
6207	1976	BUIC	CNTY	350	0.60	12.4	684.6	1.67	12.6
6208	1976	BUIC	ELEC	455	0.19	0.6	873.2	1.10	10.1
6209	1976	BUIC	REGA	350	0.11	0.0	722.8	1.52	12.3
6210	1976	BUIC	SKYH	231	0.07	0.5	556.8	2.60	15.9
6211	1976	BUIC	SKYL	260	0.79	8.2	541.3	1.97	15.9
6212	1976	CADI	SEVI	350	0.51	0.0	622.9	1.59	14.2
6213	1976	CADI	DEVI	500	4.25	90.1	737.7	0.81	9.9

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6214	1976	CADI	DEVI	500	0.20	0.0	773.9	1.71	11.5
6215	1976	CADI	DEVI	500	1.94	15.9	742.7	1.05	11.5
6216	1976	CHEV	CHET	85	1.21	31.2	460.5	4.29	17.3
6217	1976	CHEV	IMPA	350	0.41	8.5	829.5	1.93	10.5
6218	1976	CHEV	MONT	305	3.09	82.7	539.7	1.62	13.1
6219	1976	CHEV	IMPA	350	2.92	58.7	686.1	1.32	11.3
6220	1976	CHEV	NOVA	250	0.27	0.0	562.5	1.24	15.8
6221	1976	CHEV	IMPA	350	4.76	66.6	597.1	1.94	12.4
6222	1976	CHEV	VETT	350	4.10	79.6	626.5	1.95	11.6
6223	1976	CHEV	STAW	400	0.17	1.2	723.0	1.98	12.2
6224	1976	CHEV	MONT	350	1.60	35.3	756.5	1.00	10.9
6225	1976	CHEV	CAPR	400	1.45	16.1	745.6	1.64	11.4
6226	1976	CHEV	CAPR	350	0.13	0.2	705.3	1.81	12.6
6227	1976	CHEV	MALI	350	6.47	185.2	501.1	0.44	10.9
6228	1976	CHEV	VEGA	140	7.99	103.0	342.2	1.28	16.8
6229	1976	CHEV	MONZ	262	4.45	115.4	481.8	2.54	13.1
6230	1976	CHEV	MONT	350	0.25	21.8	766.2	3.94	11.1
6231	1976	CHEV	MALI	350	0.23	2.8	753.6	2.22	11.7
6232	1976	CHEV	MALI	350	3.54	117.0	595.1	2.23	11.2
6233	1976	CHEV	MALI	350	0.72	14.5	643.5	1.38	13.3
6234	1976	CHEV	NOVA	305	1.85	18.1	624.2	2.23	13.5
6235	1976	CHEV	STAW	140	0.13	1.1	496.5	1.51	17.8
6236	1976	CHEV	MONT	350	0.20	2.4	724.1	2.13	12.2
6237	1976	CHEV	MALI	250	1.54	32.6	556.6	2.58	14.5
6238	1976	CHEV	VEGA	140	1.08	3.5	563.2	3.35	15.5
6239	1976	CHEV	NOVA	250	1.64	30.8	519.0	1.83	15.5
6240	1976	CHRY	NEWP	400	1.54	36.7	772.2	2.86	10.6
6241	1976	CHRY	NEWP	400	0.13	0.0	760.2	2.42	11.7
6242	1976	DODG	CHAR	360	2.26	82.6	681.4	1.37	10.8
6243	1976	DODG	STAW	318	0.79	1.0	636.6	5.58	13.9
6244	1976	DODG	DART	225	3.97	47.5	561.6	0.98	13.7
6245	1976	DODG	MONA	360	0.12	0.2	760.8	2.75	11.7

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6246	1976	DODG	CORO	318	2.56	12.2	612.0	2.02	13.9
6247	1976	DODG	ASPE	225	1.46	4.5	522.4	1.88	16.6
6248	1976	FORD	STAW	400	2.23	54.5	721.6	1.99	10.9
6249	1976	FORD	ELIT	351	1.91	8.0	707.2	2.37	12.2
6250	1976	FORD	GRAN	200	0.82	0.0	556.7	1.51	15.9
6251	1976	FORD	LTD	351	1.70	0.1	699.4	2.33	12.6
6252	1976	FORD	STAW	140	0.61	5.0	471.2	3.96	18.5
6253	1976	FORD	GRAN	250	1.47	14.8	607.2	2.53	14.0
6254	1976	FORD	GRAN	302	3.43	27.6	587.1	2.67	13.8
6255	1976	FORD	MUST	140	0.48	0.3	519.8	2.29	17.0
6256	1976	FORD	STAW	351	0.31	0.0	840.9	3.36	10.5
6257	1976	FORD	MUST	171	1.30	15.9	657.4	3.32	12.9
6258	1976	FORD	GRAN	250	0.42	0.0	613.0	2.71	14.4
6259	1976	FORD	PINT	140	0.49	4.1	535.4	1.29	16.3
6260	1976	FORD	STAW	400	0.36	0.0	820.4	3.24	10.8
6261	1976	FORD	ELIT	351	1.03	3.9	759.3	2.94	11.5
6262	1976	FORD	THND	460	0.36	0.1	902.6	3.29	9.8
6263	1976	FORD	MUST	171	2.04	42.7	602.2	2.03	13.1
6264	1976	FORD	STAW	400	1.33	11.2	793.3	2.22	10.9
6265	1976	FORD	STAW	351	2.50	69.9	698.3	2.94	10.9
6266	1976	FORD	GRAN	302	1.29	0.2	735.5	2.45	12.0
6267	1976	FORD	MUST	140	0.34	1.1	609.6	1.20	14.5
6268	1976	LINC	MRK4	460	1.72	36.9	897.7	1.12	9.2
6269	1976	LINC	CONT	460	0.14	0.0	792.4	2.47	11.2
6270	1976	MERC	COUG	351	1.27	14.0	769.0	2.10	11.2
6271	1976	MERC	MARQ	400	4.86	72.0	719.3	2.30	10.5
6272	1976	MERC	MONT	351	3.41	57.2	647.6	2.24	11.9
6273	1976	MERC	MARQ	400	6.13	91.9	707.8	2.57	10.2
6274	1976	MERC	MONA	302	2.42	36.3	629.5	1.50	12.8
6275	1976	OLDS	DELT	350	3.00	55.6	605.4	0.61	12.6
6276	1976	OLDS	CUTL	350	2.63	38.0	691.3	0.99	11.7
6277	1976	OLDS	OMEG	260	0.33	3.3	615.9	2.05	14.3

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6278	1976	OLDS	CUTL	260	2.96	81.7	521.9	3.43	13.5
6279	1976	OLDS	DELT	455	1.81	16.9	738.0	1.28	11.5
6280	1976	OLDS	CUTL	350	4.95	67.0	559.7	3.89	13.0
6281	1976	OLDS	CUTL	350	7.69	80.1	535.4	1.47	12.9
6282	1976	OLDS	CUTL	350	1.24	12.6	683.2	1.24	12.6
6283	1976	OLDS	NNTY	455	1.02	4.7	745.9	0.90	11.7
6284	1976	PLYM	STAW	318	3.12	27.4	679.6	1.68	12.1
6285	1976	PLYM	FURY	318	3.37	59.7	598.0	2.14	12.6
6286	1976	PLYM	STAW	360	2.32	98.5	723.5	1.53	10.0
6287	1976	PLYM	VALI	225	6.11	88.1	393.1	1.39	16.1
6288	1976	PLYM	STAW	318	4.57	55.0	551.8	1.82	13.6
6289	1976	PLYM	STAW	225	4.46	36.8	436.1	1.51	17.5
6290	1976	PLYM	VOLA	225	3.72	85.3	453.3	1.39	14.8
6291	1976	PONT	ASTR	140	4.06	87.2	437.2	1.01	15.1
6292	1976	PONT	BONN	400	2.27	23.7	645.6	1.76	12.9
6293	1976	PONT	GRNP	350	2.69	65.2	555.0	2.25	13.3
6294	1976	PONT	LEMA	260	0.21	0.5	562.8	2.14	15.7
6295	1976	PONT	BONN	400	0.22	1.1	683.0	1.91	13.0
6296	1976	PONT	FIRE	350	1.08	10.7	683.3	1.87	12.6
6297	1976	PONT	GRNP	350	0.27	2.0	729.0	2.71	12.1
6298	1976	PONT	VENT	250	0.11	0.0	589.5	1.49	15.0
6299	1976	CAPR	SEDA	140	0.69	21.4	622.5	1.91	13.5
6300	1976	COLT	STAW	98	1.74	25.6	372.7	5.17	21.2
6301	1976	DATS	B210	85	1.72	11.3	384.3	3.55	21.8
6302	1976	DATS	SEDA	119	1.38	22.8	448.4	2.21	18.2
6303	1976	DATS	B210	85	2.55	17.2	351.7	2.46	22.9
6304	1976	FIAT	SEDA	79	3.41	54.9	365.0	1.54	19.2
6305	1976	FIAT	SEDA	107	1.47	29.1	457.8	2.91	17.5
6306	1976	HOND	CIVI	76	2.15	41.0	362.5	1.79	20.5
6307	1976	HOND	CIVI	91	0.93	6.3	398.7	2.39	21.6
6308	1976	MAZD	STAW	97	1.31	19.1	332.3	2.21	24.2
6309	1976	TOYO	CELI	133	1.26	15.7	433.6	2.38	19.2

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6310	1976	TOYO	STAW	97	1.58	25.2	420.6	1.99	19.1
6311	1976	TOYO	CELI	133	0.35	11.3	529.5	1.70	16.2
6312	1976	TOYO	CORO	97	1.23	24.3	492.9	2.42	16.6
6313	1976	VOLK	SCIR	97	0.30	2.8	475.1	1.90	18.5
6314	1976	VOLK	RABB	97	0.19	0.2	497.2	2.94	17.8
6315	1976	VOLK	DASH	97	1.98	20.5	445.7	3.35	18.3
6316	1976	VOLV	STAW	130	0.77	48.7	601.2	0.86	13.0
5052	1975	AMC	HORN	258	1.07	3.5	574.3	2.48	15.2
5053	1975	BUIC	REGA	350	0.35	0.8	739.1	1.97	12.0
5054	1975	BUIC	RIVI	455	1.46	38.4	876.7	0.71	9.4
5055	1975	CADI	DEVI	500	2.30	32.3	775.5	1.11	10.6
5056	1975	CHEV	STAW	140	1.40	32.3	394.5	2.67	19.7
5057	1975	CHEV	MALI	350	0.91	17.4	632.1	1.67	13.4
5058	1975	CHEV	IMPA	350	0.33	4.4	732.3	0.75	12.0
5059	1975	CHEV	STAW	400	0.43	0.0	725.5	1.54	12.2
5060	1975	CHEV	NOVA	250	0.13	0.0	578.3	1.52	15.3
5061	1975	CHRY	CORD	360	2.09	71.5	777.7	1.19	9.9
5062	1975	DODG	CHAR	318	1.10	41.9	813.6	1.19	10.1
5063	1975	FORD	MUST	140	0.57	19.8	642.1	1.52	13.1
5064	1975	FORD	LTD	351	3.45	2.9	785.3	1.38	11.1
5065	1975	FORD	LTD	400	1.50	3.9	706.3	2.82	12.4
5066	1975	FORD	GRAN	250	0.22	0.1	692.4	3.13	12.8
5067	1975	FORD	GRAN	302	0.54	0.3	729.5	3.32	12.1
5068	1975	MERC	COUG	351	5.43	35.9	790.2	1.83	10.3
5069	1975	OLDS	CUTL	350	0.69	2.3	630.4	1.54	14.0
5070	1975	OLDS	NNTY	455	2.13	24.5	698.5	0.99	11.9
5071	1975	PLYM	VALI	225	1.87	49.5	539.4	1.72	14.2
5072	1975	PLYM	STAW	400	0.18	1.1	844.4	1.63	10.5
5073	1975	PONT	GRNP	455	9.82	141.8	657.5	0.42	9.7
5074	1975	PONT	LEMA	350	1.65	29.3	670.4	2.42	12.3
5075	1975	DATS	SEDA	85	1.42	11.5	419.8	2.24	20.1
5076	1975	TOYO	STAW	133	1.32	15.3	533.4	2.16	15.8

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LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
5077	1975	TOYO	CORO	97	1.21	15.8	513.1	2.15	16.4
5078	1975	VOLK	SEDA	97	1.88	15.8	407.9	2.79	20.2
5079	1975	VOLK	RABB	90	0.22	1.2	493.4	1.63	17.9
5317	1975	AMC	MATA	304	0.55	3.4	696.3	4.51	12.6
5318	1975	BUIC	SKYH	231	1.34	23.2	560.1	3.98	14.8
5319	1975	CADI	DEVI	500	4.54	84.8	704.2	1.72	10.4
5320	1975	CHEV	VEGA	140	1.04	45.2	554.1	0.59	14.1
5321	1975	CHEV	CAPR	350	0.23	1.4	762.9	1.09	11.6
5322	1975	CHEV	NOVA	262	0.48	0.2	575.7	1.80	15.4
5323	1975	CHEV	MONT	350	0.37	5.3	766.5	1.65	11.4
5324	1975	CHEV	CAPR	400	0.32	0.0	826.5	1.92	10.7
5325	1975	DODG	DART	225	3.02	62.3	510.1	1.27	14.4
5326	1975	FORD	STAW	171	0.19	3.9	807.7	1.03	10.9
5327	1975	FORD	LTD	400	5.90	3.2	741.6	1.52	11.6
5328	1975	FORD	STAW	351	8.60	2.9	697.8	2.93	12.2
5329	1975	LINC	CONT	460	1.03	37.6	949.5	1.05	8.8
5330	1975	MERC	MONG	351	1.94	41.6	704.3	1.73	11.4
5331	1975	OLDS	OMEG	260	0.68	4.5	553.1	4.30	15.8
5332	1975	OLDS	DELT	350	1.15	15.8	678.5	1.01	12.6
5333	1975	PLYM	FRY3	360	0.27	4.6	770.7	1.75	11.4
5334	1975	PONT	LEMA	350	0.31	2.0	739.1	2.88	11.9
5335	1975	DATS	B210	85	2.61	15.7	382.8	4.69	21.3
5336	1975	FIAT	SEDA	79	3.05	21.3	387.2	2.77	20.6
5337	1975	HOND	CIVI	91	2.11	4.4	354.5	2.97	24.1
5338	1975	MAZD	RX4	80	25.20	68.9	565.7	0.92	11.8
4080	1974	AMC	STAW	304	3.66	28.9	622.7	2.07	13.1
4081	1974	BUIC	ELEC	455	3.42	42.9	800.9	1.30	10.1
4082	1974	CADI	DEVI	472	2.24	65.9	809.1	0.56	9.7
4083	1974	CHEV	VEGA	140	1.88	15.1	456.2	4.54	18.3
4084	1974	CHEV	MALI	350	3.13	37.8	695.3	1.03	11.6
4085	1974	CHEV	NOVA	250	3.06	34.3	574.3	1.54	13.9
4086	1974	CHEV	NOVA	350	4.89	102.0	840.0	2.66	8.7

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
4087	1974	CHEV	IMPA	350	3.38	12.8	735.4	1.54	11.6
4088	1974	CHEV	STAW	400	4.34	54.8	682.2	0.91	11.3
4089	1974	CHRY	NEWP	400	4.16	113.8	766.0	1.90	9.3
4090	1974	DODG	CHAR	318	4.29	75.1	645.8	3.15	11.4
4091	1974	FORD	PINT	122	10.70	13.4	444.2	2.71	17.8
4092	1974	FORD	TORI	302	3.48	21.8	655.5	2.86	12.7
4093	1974	FORD	MAVE	250	2.37	44.3	572.5	2.73	13.7
4094	1974	FORD	STAW	400	1.42	16.2	1003.8	2.07	8.6
4095	1974	FORD	LTD	351	1.98	7.8	851.2	2.36	10.2
4096	1974	MERC	MONG	351	2.07	7.6	744.4	3.09	11.6
4097	1974	OLDS	CUTL	350	3.94	18.0	772.3	2.50	10.9
4098	1974	OLDS	NNTY	455	1.43	13.5	855.3	1.91	10.1
4099	1974	PLYM	STAW	318	2.73	14.9	697.4	2.06	12.2
4100	1974	PLYM	DUST	225	2.57	39.6	481.8	3.16	16.1
4101	1974	PONT	GRNV	455	6.72	4.3	777.6	3.88	11.0
4102	1974	DATS	STAW	119	2.22	19.6	423.2	3.61	19.3
4103	1974	TOYO	CORO	97	2.45	15.7	456.8	4.22	18.1
4104	1974	TOYO	CORO	120	2.84	27.7	483.4	3.76	16.6
4105	1974	VOLK	SEDA	97	7.22	43.2	368.2	2.81	19.3
4106	1974	VOLK	SEDA	97	3.72	67.3	361.6	2.41	18.5
4339	1974	AMC	GREM	258	3.48	95.8	446.0	2.43	14.6
4340	1974	BUIC	CNTY	350	3.28	52.4	703.6	1.09	11.1
4341	1974	BUIC	ELEC	455	2.54	34.5	1223.3	1.46	6.9
4342	1974	CHEV	MALI	350	2.27	7.9	754.2	1.33	11.5
4343	1974	CHEV	MALI	350	34.14	19.0	769.3	1.60	9.8
4344	1974	CHEV	IMPA	350	2.80	22.4	812.9	1.23	10.4
4345	1974	CHEV	CAPR	400	1.52	12.5	633.2	2.99	13.5
4346	1974	CHEV	VEGA	140	13.17	71.4	365.2	4.19	17.1
4347	1974	DODG	DART	225	2.26	14.0	527.4	2.87	15.9
4348	1974	DODG	DART	318	3.75	68.1	619.2	1.91	12.0
4349	1974	FORD	TORI	351	3.93	59.7	588.2	2.03	12.8
4350	1974	FORD	LTD	400	2.64	35.0	743.6	3.00	11.0

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LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
4351	1974	FORD	THND	460	2.35	28.8	791.1	1.42	10.5
4352	1974	FORD	MAVE	250	2.82	71.7	541.0	1.65	13.4
4353	1974	LINC	MRK4	460	10.05	195.6	654.6	1.19	8.9
4354	1974	MERC	COME	302	4.83	71.7	688.8	1.79	10.9
4355	1974	OLDS	CUTL	350	3.19	65.9	747.0	1.37	10.3
4356	1974	PLYM	FRY1	360	6.23	156.0	650.8	2.12	9.7
4357	1974	PONT	BONN	400	3.61	43.0	792.5	1.71	10.2
4358	1974	PONT	VENT	350	3.47	48.5	756.3	1.03	10.5
4359	1974	CAPR	SEDA	122	2.43	20.4	431.9	5.12	18.8
4360	1974	DATS	SEDA	79	3.98	31.0	322.2	4.37	23.1
4361	1974	MAZD	RX3	70	3.16	34.2	628.9	0.94	12.8
3107	1973	AMC	GREM	232	1.61	19.3	572.8	1.94	14.6
3108	1973	BUIC	RIVI	455	1.21	54.9	880.2	2.10	9.1
3109	1973	BUIC	CNTY	350	9.87	12.8	705.7	1.66	11.7
3110	1973	CADI	DEVI	472	2.18	118.2	927.1	1.05	7.9
3111	1973	CHEV	VEGA	140	9.49	51.8	405.1	5.44	17.2
3112	1973	CHEV	MALI	350	2.13	14.1	579.6	0.76	14.6
3113	1973	CHEV	NOVA	350	1.44	49.8	749.1	0.83	10.7
3114	1973	CHEV	IMPA	350	1.81	40.9	690.2	2.19	11.7
3115	1973	CHEV	IMPA	350	3.37	24.1	683.0	3.35	12.1
3116	1973	DODG	DART	225	1.79	7.8	461.1	4.51	18.5
3117	1973	FORD	PINT	122	2.39	24.5	485.5	2.66	16.7
3118	1973	FORD	TORI	351	3.08	6.0	831.2	1.52	10.4
3119	1973	FORD	MUST	302	3.67	46.2	657.6	2.38	12.0
3120	1973	FORD	CUST	351	4.02	120.8	738.8	1.76	9.4
3121	1973	FORD	LTD	400	3.51	23.9	739.0	2.99	11.3
3122	1973	MERC	MONT	400	3.52	114.2	714.7	1.01	9.8
3123	1973	OLDS	CUTL	350	3.23	25.3	705.4	3.03	11.8
3124	1973	OLDS	CUTL	350	3.14	23.4	864.5	1.95	9.7
3125	1973	PLYM	SATE	318	2.47	28.7	702.3	2.42	11.8
3126	1973	PLYM	VALI	225	1.78	7.5	497.5	5.32	17.2
3127	1973	PONT	CATA	400	5.04	126.5	703.3	1.31	9.7

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LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
3128	1973	PONT	LEMA	350	6.83	7.0	792.8	2.30	10.8
3129	1973	DATS	510	97	3.74	51.5	415.8	1.64	17.5
3130	1973	OPEL	STAW	116	3.63	75.3	402.5	2.30	16.7
3131	1973	TOYO	CORO	97	2.89	38.5	357.6	1.98	20.8
3132	1973	VOLK	SEDA	97	5.73	88.9	362.7	1.88	17.0
3133	1973	VOLK	SEDA	97	13.37	47.4	403.6	2.68	17.1
3362	1973	BUIC	CNTY	350	3.15	71.7	735.2	1.34	10.3
3363	1973	BUIC	ELEC	455	2.63	51.0	840.9	1.73	9.5
3364	1973	CHEV	STAW	400	2.29	7.3	895.1	2.00	9.7
3365	1973	CHEV	VEGA	140	2.69	51.1	369.7	4.65	19.4
3366	1973	CHEV	NOVA	250	2.40	15.8	546.0	3.40	15.3
3367	1973	CHEV	MONT	350	2.18	4.9	760.1	1.48	11.5
3368	1973	CHEV	MALI	307	2.67	59.9	624.4	0.78	12.2
3369	1973	CHEV	CAPR	454	1.68	59.0	821.6	0.94	9.7
3370	1973	CHRY	NEWP	400	3.54	7.9	707.8	1.34	12.1
3371	1973	DODG	CORO	318	5.09	119.7	591.4	2.31	11.2
3372	1973	DODG	POLA	360	3.20	42.9	724.6	2.42	11.1
3373	1973	FORD	PINT	122	4.15	85.7	360.0	2.30	17.5
3374	1973	FORD	STAW	351	4.53	40.4	720.0	2.51	11.1
3375	1973	FORD	LTD	400	42.44	153.6	590.2	2.65	9.2
3376	1973	FORD	STAW	460	2.57	14.8	827.1	1.53	10.3
3377	1973	MERC	COUG	351	3.13	6.8	744.7	2.33	11.6
3378	1973	OLDS	CUTL	350	2.00	30.6	750.5	1.33	11.0
3379	1973	OLDS	NNTY	455	3.52	94.2	753.0	1.83	9.7
3380	1973	PLYM	SATE	318	11.12	18.2	757.1	3.11	10.8
3381	1973	PONT	FIRE	350	3.64	50.1	712.0	1.48	11.1
3382	1973	PONT	STAW	455	6.02	131.8	763.7	1.01	9.0
3383	1973	CAPR	COUP	122	2.98	57.7	405.3	4.13	17.6
3384	1973	MAZD	SEDA	70	5.99	29.3	542.6	1.38	14.6
2134	1972	AMC	GREM	258	3.90	50.3	497.8	2.77	15.1
2135	1972	BUIC	LESA	455	21.27	134.8	637.5	3.98	9.7
2136	1972	CADI	DEVI	472	1.08	82.2	924.3	0.99	8.4

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
2137	1972	CHEV	VEGA	140	2.20	51.2	412.9	1.66	17.7
2138	1972	CHEV	MONT	350	2.24	28.3	700.4	2.62	11.8
2139	1972	CHEV	MONT	350	2.27	18.1	718.3	2.04	11.8
2140	1972	CHEV	NOVA	307	2.75	11.0	640.0	2.57	13.3
2141	1972	CHEV	IMPA	350	2.27	11.8	740.1	2.26	11.6
2142	1972	CHEV	CAPR	400	5.02	124.8	714.5	2.03	9.6
2143	1972	DODG	CORO	318	3.37	14.0	588.6	5.06	14.3
2144	1972	FORD	PINT	122	1.70	19.6	426.9	3.94	19.2
2145	1972	FORD	TORI	351	2.44	26.2	682.5	3.56	12.1
2146	1972	FORD	MAVE	200	2.33	10.2	475.6	6.12	17.8
2147	1972	FORD	CUST	351	1.91	9.5	716.6	2.95	12.0
2148	1972	FORD	STAW	400	3.64	88.6	641.6	3.58	11.2
2149	1972	MERC	MONR	400	5.38	127.5	685.8	3.53	9.8
2150	1972	OLDS	DELT	350	3.34	30.6	736.9	2.49	11.2
2151	1972	PLYM	VALI	225	4.19	122.2	371.0	2.92	15.4
2152	1972	PLYM	STAW	360	5.52	169.4	613.4	4.04	9.9
2153	1972	PONT	CATA	400	2.95	64.6	837.5	2.20	9.4
2154	1972	PONT	STAW	350	6.31	140.7	742.1	2.41	9.0
2155	1972	DATS	1200	85	2.18	8.8	369.1	4.24	22.8
2156	1972	TOYO	CORO	120	3.41	22.3	411.5	4.20	19.4
2157	1972	VOLK	SEDA	97	7.34	79.1	379.4	2.42	16.8
2158	1972	VOLK	STAW	103	2.70	58.7	522.4	4.31	14.2
2385	1972	BUIC	SKYL	350	4.24	23.9	647.0	3.67	12.7
2386	1972	BUIC	LESA	350	3.01	17.9	635.2	3.84	13.2
2387	1972	CHEV	VEGA	140	7.01	66.0	386.0	2.85	17.3
2388	1972	CHEV	NOVA	250	2.07	31.9	532.5	2.64	15.1
2389	1972	CHEV	MONT	350	3.45	65.8	712.9	1.87	10.7
2390	1972	CHEV	IMPA	350	5.27	127.0	613.7	1.36	10.7
2391	1972	CHEV	STAW	400	4.19	32.4	801.2	2.34	10.3
2392	1972	CHRY	NEWP	400	3.44	28.1	667.4	2.63	12.3
2393	1972	DODG	DART	225	2.50	28.3	478.8	3.63	16.7
2394	1972	FORD	STAW	122	3.93	54.8	388.9	7.09	18.2

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE	YEAR	MAKE	MODL	CID	--- GRAMS PER MILE --- HC	CO	CO_2	NOx_c	FUEL MPG
2395	1972	FORD	TORI	302	6.94	14.4	783.6	2.50	10.7
2396	1972	FORD	LTD	400	2.78	40.9	664.9	4.65	12.0
2397	1972	FORD	TORI	351	2.86	58.7	730.8	2.90	10.7
2398	1972	LINC	CONT	460	1.65	17.8	769.7	3.18	11.1
2399	1972	MERC	MONG	302	6.98	54.5	526.2	5.63	14.0
2400	1972	OLDS	CUTL	350	3.07	19.3	652.2	3.68	12.8
2401	1972	OLDS	NNTY	455	2.65	36.3	725.6	2.55	11.2
2402	1972	PLYM	BARR	318	3.17	25.9	561.1	4.51	14.5
2403	1972	PONT	GRNV	455	4.76	79.2	744.5	2.36	10.0
2404	1972	CAPR	COUP	159	18.08	18.8	460.4	2.73	16.2
1159	1971	BUIC	RIVI	455	4.06	79.4	756.6	3.24	9.9
1160	1971	BUIC	SKYL	350	5.79	114.9	550.5	1.97	11.8
1161	1971	CHEV	VEGA	140	11.27	103.3	324.7	2.08	17.0
1162	1971	CHEV	MALI	350	2.46	14.1	728.1	1.96	11.7
1163	1971	CHEV	MALI	250	5.50	30.3	470.8	6.08	16.6
1164	1971	CHEV	IMPA	350	3.61	32.4	637.8	3.14	12.7
1165	1971	CHEV	STAW	350	6.46	148.6	600.5	2.76	10.4
1166	1971	CHRY	NEWY	440	7.21	11.2	756.4	3.74	11.1
1167	1971	DODG	CORO	318	2.54	10.6	631.8	4.20	13.5
1168	1971	FORD	PINT	122	4.37	65.3	356.9	3.13	18.7
1169	1971	FORD	STAW	302	3.84	86.6	537.2	2.73	12.9
1170	1971	FORD	MAVE	200	2.92	39.2	477.2	4.99	16.2
1171	1971	FORD	LTD	351	8.37	12.2	526.0	3.05	15.5
1172	1971	FORD	LTD	400	3.35	70.6	734.6	2.05	10.4
1173	1971	MERC	MONR	351	4.51	40.2	669.0	5.17	11.9
1174	1971	OLDS	STAW	455	1.65	20.1	843.5	3.82	10.1
1175	1971	PLYM	DUST	225	3.73	57.8	450.9	4.69	16.0
1176	1971	PONT	GRNV	455	10.91	81.1	712.8	3.22	10.1
1177	1971	PONT	LEMA	350	5.33	28.5	622.8	3.65	13.0
1178	1971	DATS	SEDA	97	3.54	32.6	329.4	7.06	22.6
1179	1971	TOYO	STAW	97	5.14	75.5	374.9	2.54	17.4
1180	1971	VOLK	SEDA	97	4.89	88.3	334.6	3.18	18.2

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
1405	1971	AMC	AMBA	360	3.52	21.6	643.1	2.49	12.9
1406	1971	BUIC	ELEC	455	4.89	84.1	782.7	2.06	9.5
1407	1971	CADI	DEVI	472	13.88	216.8	805.2	1.11	7.5
1408	1971	CHEV	CAMA	307	4.29	31.5	591.3	4.66	13.6
1409	1971	CHEV	MALI	307	3.93	5.4	589.7	3.18	14.5
1410	1971	CHEV	MONT	350	12.86	13.3	703.0	3.30	11.6
1411	1971	CHEV	CAPR	400	2.98	19.4	687.5	4.12	12.2
1412	1971	DODG	DART	225	4.40	55.8	410.4	3.17	17.3
1413	1971	FORD	MAVE	302	4.66	81.7	542.7	4.65	12.9
1414	1971	FORD	LTD	351	2.62	54.6	660.7	2.57	11.8
1415	1971	FORD	LTD	351	34.20	66.0	626.8	2.49	10.6
1416	1971	MERC	MARQ	429	6.21	44.5	570.5	3.80	13.4
1417	1971	OLDS	CUTL	350	5.02	36.7	643.6	2.51	12.4
1418	1971	OLDS	CUTL	350	3.02	46.2	633.6	2.37	12.4
1419	1971	PLYM	DUST	318	4.31	89.0	530.6	3.32	13.0
1420	1971	PLYM	FRY2	318	3.00	5.1	660.2	4.27	13.1
1421	1971	PONT	CATA	350	3.54	64.5	761.2	2.13	10.2
1422	1971	VOLK	SEDA	97	4.79	104.8	363.8	2.22	16.3
0181	1970	AMC	AMBA	360	5.26	85.1	652.7	2.51	11.1
0182	1970	BUIC	ELEC	455	8.33	70.0	632.4	2.49	11.5
0183	1970	CHEV	MONT	350	5.45	106.4	612.6	1.25	11.1
0184	1970	CHEV	MALI	307	5.75	66.1	534.8	4.05	13.5
0185	1970	CHEV	MALI	350	11.80	44.8	612.5	1.57	12.3
0186	1970	CHEV	IMPA	350	29.23	26.8	627.1	1.95	11.6
0187	1970	CHEV	CAPR	400	4.02	15.8	585.2	1.80	14.2
0188	1970	DODG	DART	225	3.59	55.0	410.7	6.66	17.5
0189	1970	FORD	MUST	302	3.78	62.6	552.8	2.75	13.4
0190	1970	FORD	FAIR	302	12.81	28.3	549.7	1.93	14.0
0191	1970	FORD	LTD	351	5.06	51.4	553.0	2.98	13.7
0192	1970	FORD	LTD	351	4.16	98.6	613.2	4.68	11.4
0193	1970	MERC	COUG	351	2.94	39.7	618.7	4.34	12.9
0194	1970	OLDS	CUTL	350	2.44	57.2	705.4	1.95	11.1

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS	PER MILE	---		FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx$_c$	MPG
0195	1970	PLYM	STAW	383	5.74	108.5	631.8	4.00	10.8
0196	1970	PLYM	DUST	198	4.64	66.0	349.4	3.64	19.0
0197	1970	PONT	BONN	455	16.42	84.2	666.3	2.09	10.4
0198	1970	DATS	510	97	2.73	17.1	384.1	5.76	21.1
0199	1970	TOYO	SEDA	113	3.30	30.5	403.4	6.64	19.2
0200	1970	VOLK	SEDA	97	4.50	53.2	367.7	2.23	19.1
0423	1970	BUIC	LESA	350	4.58	98.9	601.0	2.99	11.5
0424	1970	BUIC	LESA	350	8.06	123.8	509.1	2.64	12.2
0425	1970	CADI	DEVI	472	3.92	98.6	887.0	5.64	8.4
0426	1970	CHEV	NOVA	307	4.18	48.7	522.2	1.97	14.5
0427	1970	CHEV	IMPA	350	4.05	72.6	596.1	1.95	12.3
0428	1970	CHEV	IMPA	400	7.05	59.9	620.6	1.23	12.0
0429	1970	CHRY	NEWP	383	4.56	92.6	672.8	4.49	10.7
0430	1970	DODG	CORO	318	11.15	86.0	585.1	4.03	11.7
0431	1970	FORD	MAVE	200	3.40	24.8	435.6	4.75	18.3
0432	1970	FORD	MUST	351	9.53	83.4	519.3	3.43	13.0
0433	1970	FORD	LTD	390	9.56	73.3	608.0	4.07	11.8
0434	1970	OLDS	NNTY	455	4.04	90.9	762.6	2.09	9.7
0435	1970	PLYM	FRY2	383	4.16	56.7	685.8	3.46	11.3
0436	1970	PONT	BONN	455	6.50	49.5	638.6	3.25	12.0
0437	1970	VOLK	SEDA	97	4.92	46.7	325.7	3.14	21.4
9438	1969	AMC	RAMB	199	30.46	27.4	445.7	3.38	15.2
9439	1969	BUIC	ELEC	430	8.06	73.4	852.4	6.79	8.9
9440	1969	BUIC	STAW	350	3.49	86.5	656.7	3.48	11.0
9441	1969	CADI	DEVI	472	3.25	22.8	701.6	5.11	11.9
9442	1969	CHEV	NOVA	307	5.49	90.8	542.7	2.13	12.6
9443	1969	CHEV	IMPA	350	3.64	33.9	615.0	3.10	13.1
9444	1969	CHEV	MALI	307	5.73	108.9	504.4	2.84	12.8
9445	1969	CHEV	IMPA	327	4.92	44.3	559.7	3.55	13.8
9446	1969	CHEV	IMPA	327	4.60	62.5	578.8	2.86	12.8
9447	1969	CHEV	BISC	250	6.38	32.2	450.5	6.82	17.0
9448	1969	CHEV	CAPR	350	29.23	63.1	694.3	2.73	10.0

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LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
9449	1969	CHRY	STAW	383	3.66	9.0	655.1	4.60	13.0
9450	1969	DODG	CORO	318	4.14	45.6	555.2	4.05	13.9
9451	1969	FORD	FAIR	250	5.68	73.7	465.6	6.08	14.8
9452	1969	FORD	MUST	302	8.07	123.6	473.1	5.02	12.8
9453	1969	FORD	TORI	351	3.32	31.2	608.6	3.48	13.3
9454	1969	FORD	LTD	390	4.24	4.8	596.6	3.20	14.4
9455	1969	FORD	MUST	302	4.71	26.8	588.1	6.65	13.8
9456	1969	FORD	STAW	390	3.49	42.8	650.8	3.69	12.2
9457	1969	MERC	MARQ	429	6.14	67.9	606.4	5.31	12.1
9458	1969	OLDS	NNTY	455	4.80	77.2	616.9	3.42	11.8
9459	1969	OLDS	DELT	350	4.75	39.1	610.2	3.19	12.9
9460	1969	PLYM	STAW	318	6.95	59.0	511.6	4.84	14.2
9461	1969	PLYM	VALI	225	3.87	43.9	374.3	4.39	19.5
9462	1969	PONT	LEMA	350	4.05	40.8	626.3	2.56	12.6
9463	1969	PONT	CATA	400	7.00	139.1	535.0	3.92	11.4
9464	1969	PONT	CATA	400	4.18	64.0	629.5	3.65	11.9
9465	1969	TOYO	CORO	116	3.53	58.7	443.2	9.50	16.2
9466	1969	VOLK	TRAN	97	6.91	106.4	383.7	2.32	15.5
9467	1969	VOLK	TRAN	97	4.60	57.2	414.0	2.38	17.1
8468	1967	AMC	STAW	199	12.08	78.8	406.2	6.04	15.6
8469	1967	AMC	STAW	232	2.27	3.5	437.0	3.56	19.7
8470	1967	AMC	REBE	290	12.24	161.0	450.9	3.61	11.9
8471	1967	BUIC	LESA	340	8.70	133.3	678.2	1.27	9.7
8472	1968	BUIC	RIVI	430	4.62	5.0	791.9	2.55	10.9
8473	1968	BUIC	STAW	350	5.36	110.6	607.0	1.56	11.1
8474	1966	CADI	FLEE	429	9.67	148.7	508.8	2.86	11.5
8475	1967	CHEV	IMPA	283	14.14	134.1	471.7	2.47	12.2
8476	1967	CHEV	CHEL	283	10.91	36.5	476.0	2.54	15.6
8477	1967	CHEV	BELA	283	13.15	51.3	466.8	2.92	15.1
8478	1968	CHEV	IMPA	307	10.90	58.0	557.5	1.91	13.0
8479	1967	CHEV	CAPR	327	9.34	54.9	441.2	0.97	15.9
8480	1968	CHEV	IMPA	307	7.48	47.2	573.0	3.75	13.2

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LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
8481	1967	CHEV	IMPA	283	9.91	83.7	454.1	2.80	14.4
8482	1967	CHEV	MALI	283	6.63	77.5	475.0	1.87	14.4
8483	1968	CHEV	IMPA	307	6.45	35.2	516.8	3.83	15.0
8484	1968	CHEV	IMPA	307	8.32	74.7	488.3	2.89	14.0
8485	1968	CHEV	STAW	327	15.60	236.8	455.1	1.51	10.1
8486	1968	CHEV	IMPA	327	4.32	58.8	538.7	1.96	13.8
8487	1968	CHRY	NEWP	383	4.04	56.7	664.5	3.26	11.6
8488	1966	DODG	DART	225	5.20	80.0	425.1	4.88	15.6
8489	1968	DODG	CORO	318	4.15	51.4	523.9	6.19	14.4
8490	1966	DODG	POLA	383	8.55	84.3	530.5	3.86	12.9
8491	1968	FORD	MUST	200	4.40	38.1	648.7	8.82	12.3
8492	1966	FORD	MUST	200	5.38	64.7	397.1	5.71	17.2
8493	1966	FORD	STAW	289	10.40	92.6	476.2	4.22	13.6
8494	1968	FORD	LTD	302	5.81	87.6	512.9	3.67	13.3
8495	1967	FORD	LTD	390	6.20	41.6	517.9	4.13	14.7
8496	1968	FORD	STAW	390	3.97	46.3	617.2	3.89	12.6
8497	1966	FORD	MUST	200	4.96	59.8	393.1	3.24	17.7
8498	1967	FORD	MUST	289	7.42	119.4	514.9	4.56	12.2
8499	1968	FORD	FAIR	289	4.55	65.2	531.2	3.14	13.7
8500	1968	FORD	STAW	390	3.45	81.5	653.1	1.94	11.2
8501	1966	FORD	STAW	428	4.13	40.6	645.8	4.07	12.3
8502	1967	LINC	CONT	462	4.27	66.3	640.8	1.46	11.7
8503	1967	MERC	COUG	289	4.82	65.6	571.4	2.88	12.9
8504	1967	OLDS	DLMN	330	12.52	130.6	452.6	1.51	12.7
8505	1968	OLDS	NNTY	455	8.81	80.9	724.9	4.76	10.1
8506	1968	OLDS	CUTL	350	9.41	250.8	471.0	0.82	9.9
8507	1968	PLYM	STAW	318	7.67	123.9	600.8	2.82	10.8
8508	1968	PLYM	VIP	318	5.43	89.0	586.3	5.58	11.9
8509	1968	PLYM	STAW	383	7.90	201.3	570.8	1.44	9.7
8510	1966	PLYM	VIP	383	5.36	62.6	527.6	3.90	13.8
8511	1967	PONT	LEMA	326	6.32	69.8	542.7	2.91	13.2
8512	1966	PONT	BONN	389	32.40	96.8	481.6	1.92	12.0

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
8513	1968	PONT	LEMA	350	4.02	58.6	584.9	4.40	12.9
8514	1967	PONT	CATA	400	6.21	42.1	536.2	3.27	14.3
8515	1966	PONT	BONN	389	39.60	108.5	485.0	1.30	11.4
8516	1966	VOLK	TRAN	91	5.16	52.8	342.4	2.82	20.1
8517	1968	VOLK	TRAN	97	17.43	128.2	311.9	0.77	15.6

APPENDIX J

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6019	1976	BUIC	CNTY	350	1.10	1.7	759.0	2.08	11.6
6020	1976	BUIC	ELEC	455	0.19	0.0	938.4	1.22	9.5
6023	1976	CHEV	MALI	350	0.57	16.7	737.1	1.11	11.6
6024	1976	CHEV	MONZ	140	1.75	25.9	486.7	1.05	16.7
6025	1976	CHEV	STAW	400	2.52	37.3	703.0	2.45	11.5
6026	1976	CHEV	MALI	305	0.22	0.9	656.6	2.28	13.5
6027	1976	CHEV	NOVA	250	0.31	0.3	549.9	2.12	16.1
6029	1976	DODG	ASPE	318	1.34	2.5	663.8	1.78	13.2
6030	1976	DODG	ASPE	225	7.56	59.8	496.8	1.85	14.4
6033	1976	FORD	TORI	351	5.11	5.4	643.6	3.27	13.3
6034	1976	FORD	GRAN	250	0.72	7.4	772.6	1.00	11.3
6040	1976	OLDS	CUTL	350	2.38	13.5	566.2	1.52	14.9
6044	1976	PONT	LEMA	350	0.39	4.3	667.1	3.12	13.1
6046	1976	DATS	B210	85	2.04	14.4	378.0	3.96	21.8
6047	1976	DATS	PICK	119	2.26	43.3	447.1	2.53	17.0
6048	1976	TOYO	CORO	97	1.45	22.8	451.3	2.62	18.0
6049	1976	TOYO	CELI	133	1.39	12.8	452.4	2.84	18.6
6050	1976	VOLK	RABB	97	0.21	1.4	495.8	1.77	17.8
6051	1976	VOLK	RABB	97	0.51	3.1	453.5	2.65	19.3
6206	1976	BUIC	LESA	350	0.18	0.6	679.1	2.10	13.0
6218	1976	CHEV	MALI	305	2.54	42.7	611.6	2.23	12.9
6224	1976	CHEV	STAW	350	4.18	89.5	641.5	0.96	11.2
6249	1976	FORD	ELIT	351	1.49	7.4	759.8	4.01	11.4
6252	1976	FORD	STAW	140	2.28	14.6	505.3	1.40	16.6
6263	1976	FORD	MUST	171	1.78	27.4	532.0	1.28	15.3
6284	1976	PLYM	STAW	318	7.25	124.5	565.0	2.28	11.3
6287	1976	PLYM	STAW	225	4.87	79.3	427.1	1.44	15.6
6292	1976	PONT	CATA	400	4.94	90.4	594.1	1.46	11.8
6301	1976	DATS	B210	85	1.70	12.6	395.4	3.62	21.1
6303	1976	DATS	B210	85	1.30	8.1	370.0	3.34	22.9
6306	1976	HOND	CIVI	76	3.14	39.9	376.2	1.97	19.8
6307	1976	HOND	CIVI	91	1.44	5.0	369.3	2.77	23.2

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
6310	1976	TOYO	CORO	97	1.54	27.2	405.7	2.29	19.6
6311	1976	TOYO	CELI	133	0.61	12.9	551.8	2.25	15.5
6312	1976	TOYO	STAW	97	1.91	34.5	460.6	2.18	17.0
6315	1976	VOLK	SEDA	97	2.92	29.6	474.0	2.85	16.8
5052	1975	AMC	STAW	258	1.94	4.9	538.5	4.77	16.1
5053	1975	BUIC	CNTY	350	1.88	21.3	694.0	3.18	12.1
5057	1975	CHEV	MONT	350	0.20	1.9	668.7	1.24	13.2
5058	1975	CHEV	IMPA	350	3.29	37.1	671.8	1.37	12.0
5059	1975	CHEV	CAPR	400	0.43	0.1	766.1	2.90	11.6
5060	1975	CHEV	NOVA	250	2.07	24.2	464.5	1.91	17.4
5061	1975	CHRY	NEWP	400	2.31	55.4	802.1	1.12	9.9
5062	1975	DODG	DART	318	4.47	91.2	601.1	6.24	11.7
5069	1975	OLDS	CUTL	350	0.42	0.1	630.0	2.11	14.1
5072	1975	PLYM	VALI	318	0.57	2.0	832.4	1.69	10.6
5073	1975	PONT	STAW	400	4.15	24.4	728.1	2.37	11.4
5317	1975	AMC	HORN	304	0.28	1.5	732.6	1.80	12.1
5320	1975	CHEV	STAW	140	0.78	9.6	515.4	1.38	16.6
5323	1975	CHEV	MONT	350	3.46	65.3	725.0	1.96	10.6
5324	1975	CHEV	MONT	454	0.33	0.6	884.0	1.20	10.0
5328	1975	FORD	TORI	351	4.96	2.4	701.7	2.19	12.3
5335	1975	DATS	710	119	2.01	15.3	416.3	3.54	19.9
4080	1974	AMC	MATA	304	4.72	62.7	601.0	4.64	12.4
4081	1974	BUIC	ELEC	455	2.18	5.2	800.1	4.56	10.9
4082	1974	CADI	DEVI	472	9.36	46.4	769.8	1.20	10.2
4083	1974	CHEV	VEGA	140	3.51	57.9	459.9	2.98	15.8
4084	1974	CHEV	MONT	350	2.77	93.3	698.8	1.47	10.4
4086	1974	CHEV	NOVA	350	2.54	9.5	711.6	0.91	12.1
4088	1974	CHEV	CAPR	400	2.10	8.0	830.0	0.82	10.5
4090	1974	DODG	MONA	360	24.02	268.1	481.9	3.14	9.1
4095	1974	FORD	LTD	351	6.40	99.2	601.8	3.99	11.4
4098	1974	OLDS	NNTY	455	0.98	19.2	1023.5	1.89	8.4
4100	1974	PLYM	DUST	225	5.13	102.4	426.3	5.09	14.7

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
4101	1974	PONT	LEMA	350	4.70	64.8	649.3	4.41	11.6
4102	1974	DATS	STAW	119	1.74	28.5	464.5	2.09	17.2
4103	1974	TOYO	CORO	97	4.26	46.9	367.8	2.61	19.5
4340	1974	BUIC	REGA	350	3.92	54.7	680.5	1.07	11.4
4342	1974	CHEV	MALI	350	1.98	57.1	723.7	1.03	10.8
4344	1974	CHEV	IMPA	350	3.27	61.6	738.1	2.55	10.5
4345	1974	CHEV	STAW	400	5.15	129.5	690.6	2.85	9.7
4346	1974	CHEV	VEGA	140	5.20	94.8	411.8	2.39	15.4
4347	1974	DODG	DART	225	4.27	90.7	442.3	2.96	14.8
4354	1974	MERC	MONR	400	2.76	56.7	712.8	2.10	10.9
4357	1974	PONT	BONN	400	3.34	28.1	807.9	1.04	10.3
4361	1974	MAZD	RX2	70	26.24	165.6	424.2	0.76	11.6
3108	1973	BUIC	RIVI	455	3.24	8.4	939.1	1.12	9.2
3110	1973	CADI	DEVI	472	2.26	59.0	901.8	1.39	8.9
3113	1973	CHEV	NOVA	350	2.31	48.8	695.2	1.05	11.4
3119	1973	FORD	MAVE	302	4.15	71.8	557.9	2.39	13.0
3122	1973	MERC	MONR	400	2.65	45.9	804.8	4.12	10.0
3126	1973	PLYM	DUST	225	6.20	112.8	368.4	1.71	15.7
3129	1973	DATS	PICK	97	4.06	14.2	406.2	2.52	20.1
3364	1973	CHEV	STAW	400	1.61	45.5	857.6	1.11	9.5
3373	1973	FORD	PINT	122	7.81	203.5	327.5	0.35	13.2
3376	1973	FORD	LTD	460	6.34	95.9	736.1	1.59	9.8
2400	1972	OLDS	CUTL	350	2.11	31.7	819.8	2.08	10.1
2401	1972	OLDS	ROYA	455	2.23	14.0	838.4	2.58	10.2
1159	1971	BUIC	ELEC	455	5.67	47.8	891.6	2.59	9.0
1164	1971	CHEV	IMPA	350	2.33	13.0	710.0	2.72	12.0
1167	1971	DODG	CORO	318	4.56	45.8	531.3	4.25	14.4
1168	1971	FORD	PINT	122	4.67	79.8	361.1	2.74	17.7
1172	1971	FORD	LTD	400	2.93	12.6	838.5	2.28	10.2
1414	1971	FORD	TORI	351	11.63	195.5	579.4	2.28	9.6
1420	1971	PLYM	FRY3	360	3.82	74.5	632.4	2.23	11.7
0184	1970	CHEV	MALI	307	4.07	63.4	515.9	2.77	14.1

APPENDIX J CONT'D

LISTING OF NEW YORK / NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
0185	1970	CHEV	MALI	350	3.13	19.4	677.1	2.82	12.4
0189	1970	FORD	MUST	302	4.51	100.3	715.8	1.60	10.0
0192	1970	FORD	GALA	351	2.51	9.9	753.3	4.10	11.4
0194	1970	OLDS	CUTL	350	5.49	4.0	582.4	4.20	14.6
0431	1970	FORD	MAVE	200	1.72	9.0	542.9	4.05	15.8
9449	1969	CHRY	NEWP	383	3.45	30.2	625.4	3.04	13.0

APPENDIX K - LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

Legend

VEH NO. - Vehicle Number

YR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

CID - Engine Displacement in Cubic Inches

HP - Dynamometer Horsepower setting as specified in the table below

Following are the three modes of the test High Speed, Low Speed, and Idle in Drive as specified in the table below. During each of these modes the following data were taken.

HC - Exhaust Hydrocarbon concentration in PPM Hexane

CO - Exhaust Carbon Monoxide Concentration in mole per cent

NOx - Exhaust Oxides of Nitrogen Concentration in PPM

Clayton Key Mode Test Conditions

Vehicle Class (lbs)	Transmission Range/Gear	Meter Dyno Load hp @ mph	High Cruise (mph)	Low Cruise (mph)	Idle
2000 to 2800	Drive or Third	15 @ 38	36-38	22-25	Automatic Transmission in Drive
2801 to 3800	Drive or High	24 @ 46	44-46	29-32	
3801 and up	Drive or High	30 @ 50	48-50	32-35	

APPENDIX K

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						-- HIGH SPEED -			-- LOW SPEED --			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
7001	76	CHEV	C10	350	30	40	0.01	1729	55	0.01	455	380	6.40	42
7002	76	CHEV	VAN	350	24	37	0.02	1209	37	0.02	243	46	0.02	176
7003	76	CHEV	C10	350	30	40	0.02	1942	30	0.03	455	35	0.02	59
7004	76	CHEV	C10	350	30	35	0.01	1636	35	0.01	498	35	0.01	157
7005	76	DODG	VAN	318	24	35	0.01	1728	35	0.01	2223	185	4.20	109
7006	76	DODG	VAN	225	24	70	0.80	929	23	0.05	853	18	0.01	455
7007	76	FORD	F100	302	24	40	0.02	537	25	0.02	682	30	0.01	117
7008	76	FORD	F100	360	24	70	0.15	774	70	0.30	695	85	0.20	167
7009	76	FORD	F100	360	24	50	0.24	720	45	0.16	147	90	0.14	181
7010	76	FORD	COUR	110	15	35	0.08	303	50	0.08	157	80	0.07	49
7011	75	CHEV	C10	350	30	25	0.15	1268	22	0.01	360	170	0.45	157
7012	75	CHEV	G10	350	24	60	0.01	636	54	0.01	185	59	0.01	43
7013	75	CHEV	VAN	350	30	50	0.10	1076	50	0.10	279	60	0.10	116
7014	75	DODG	B100	318	24	70	0.20	1028	70	0.20	1123	80	0.20	111
7015	75	FORD	F100	302	24	45	0.04	528	40	0.02	279	50	0.00	88
7016	75	FORD	F100	302	24	41	0.03	1066	27	0.01	284	27	0.01	59
7017	75	FORD	F100	360	24	22	1.02	341	25	1.08	331	28	4.07	137
6018	76	AMC	HORN	258	24	45	0.06	2641	70	0.09	1864	90	0.24	247
6019	76	BUIC	REGA	350	30	20	0.01	940	22	0.01	399	20	0.01	116
6020	76	BUIC	STAW	455	30	55	0.80	1076	120	1.80	177	45	0.10	131
6021	76	CADI	DEVI	500	30	32	0.01	931	35	0.01	260	32	0.01	399
6022	76	CHEV	IMPA	350	30	32	0.01	1932	35	0.01	498	32	0.01	676
6023	76	CHEV	MONT	350	30	24	0.01	1405	25	0.01	279	22	0.01	319
6024	76	CHEV	VEGA	140	15	25	0.02	2112	65	0.90	567	185	4.70	119
6025	76	CHEV	STAW	400	30	28	0.05	2223	50	0.35	438	430	9.80	15
6026	76	CHEV	MALI	305	24	18	0.01	1955	25	0.01	567	320	6.20	90
6027	76	CHEV	CAMA	250	24	45	0.00	577	52	0.01	1728	350	8.30	40
6028	76	CHEV	CHET	85	15	65	0.01	2446	370	2.00	970	630	10.00	9
6029	76	DODG	DART	318	24	38	0.02	1385	65	0.02	549	210	1.80	240
6030	76	DODG	DART	225	24	50	0.06	1311	45	0.03	892	40	0.02	131
6031	76	FORD	MUST	140	15	70	0.00	1076	70	0.00	715	50	0.00	60
6032	76	FORD	LTD	400	30	40	0.04	931	37	0.01	369	390	9.60	23

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						— HIGH SPEED -			— LOW SPEED —			—— IDLE ——		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6033	76	FORD	ELIT	351	30	25	0.18	735	35	0.11	538	40	0.07	218
6034	76	FORD	MAVE	250	15	30	0.20	349	40	0.10	1076	20	0.10	198
6035	76	FORD	GRAN	302	24	80	0.04	1977	70	0.02	1311	80	2.00	31
6036	76	FORD	STAW	351	30	50	0.02	1066	50	0.02	625	50	0.01	142
6037	76	MERC	MARQ	400	30	60	0.10	872	75	0.10	339	80	0.10	498
6038	76	MERC	MONA	250	24	45	0.02	910	48	0.01	206	48	0.01	284
6039	76	OLDS	CUTL	260	24	25	0.02	813	20	0.02	557	18	0.02	157
6040	76	OLDS	CUTL	350	24	20	0.11	359	23	0.01	260	80	0.40	38
6041	76	OLDS	NNTY	455	30	45	0.01	745	47	0.01	309	42	0.01	82
6042	76	PLYM	VALI	225	24	65	0.01	1567	65	0.01	1217	50	0.01	111
6043	76	PLYM	FURY	318	30	110	0.03	4629	170	0.02	2000	580	7.10	64
6044	76	PONT	GRNP	350	30	25	0.01	1170	30	0.01	498	25	0.01	224
6045	76	PONT	TRAN	400	24	50	0.01	1423	40	0.04	1711	210	4.00	69
6046	76	DATS	B210	85	15	56	0.19	735	85	0.17	379	170	0.41	38
6047	76	DATS	710	119	15	95	0.50	1423	140	0.45	1229	200	1.80	235
6048	76	TOYO	CORO	97	15	55	0.30	1335	57	0.60	289	52	0.65	39
6049	76	TOYO	STAW	133	15	26	0.12	530	32	0.23	227	37	0.45	37
6050	76	VOLK	RABB	97	15	37	0.02	834	43	0.01	805	40	0.01	70
6051	76	VOLK	RABB	97	15	45	0.02	813	65	0.01	597	320	0.01	64
6201	76	AMC	STAW	304	30	30	0.00	540	42	0.01	464	48	0.15	52
6202	76	AMC	PACE	258	24	40	0.07	1264	90	0.20	1544	110	0.05	101
6203	76	AMC	MATA	304	30	40	0.01	1451	43	0.01	1682	40	0.00	68
6204	76	AMC	GREM	232	15	90	0.14	2543	112	0.26	1076	140	1.80	159
6205	76	BUIC	CNTY	231	24	40	0.02	1170	40	0.02	735	40	0.02	438
6206	76	BUIC	LESA	350	30	20	0.10	1451	20	0.10	260	20	0.10	172
6207	76	BUIC	CNTY	350	30	25	0.01	1123	30	0.01	349	30	0.01	299
6208	76	BUIC	ELEC	455	30	25	0.01	1358	25	0.01	260	25	0.01	126
6209	76	BUIC	REGA	350	30	30	0.01	1268	35	0.01	606	32	0.01	196
6210	76	BUIC	SKYH	231	24	20	0.10	1405	20	0.10	478	25	0.10	498
6211	76	BUIC	SKYL	260	24	30	0.00	656	33	0.00	892	26	0.00	833
6212	76	CADI	SEVI	350	30	40	0.10	794	40	0.10	458	35	0.10	126
6213	76	CADI	DEVI	500	30	37	0.00	833	42	0.00	289	365	5.40	87

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						— HIGH SPEED —			— LOW SPEED —			—— IDLE ——		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6214	76	CADI	DEVI	500	30	53	0.02	853	55	0.02	455	53	0.02	455
6215	76	CADI	DEVI	500	30	44	0.00	940	54	0.05	226	300	1.50	77
6216	76	CHEV	CHET	85	15	35	0.10	2192	40	0.10	2361	210	4.60	65
6217	76	CHEV	IMPA	350	30	50	0.10	1590	50	0.10	234	50	0.10	538
6218	76	CHEV	MONT	305	30	30	0.01	2641	30	0.01	754	320	7.00	38
6219	76	CHEV	IMPA	350	30	60	0.10	1774	160	1.60	220	280	4.70	36
6220	76	CHEV	NOVA	250	24	25	0.02	468	30	0.02	448	30	0.02	237
6221	76	CHEV	IMPA	350	30	40	0.10	2641	120	1.50	788	560	4.60	42
6222	76	CHEV	VETT	350	24	40	0.02	2333	160	2.10	359	300	4.50	82
6223	76	CHEV	STAW	400	30	35	0.01	2361	37	0.01	853	33	0.01	303
6224	76	CHEV	MONT	350	30	35	0.10	1498	40	0.10	279	90	0.60	213
6225	76	CHEV	CAPR	400	30	40	0.01	2446	130	1.40	478	235	1.65	182
6226	76	CHEV	CAPR	350	30	28	0.01	2361	26	0.01	511	25	0.01	682
6227	76	CHEV	MALI	350	30	112	2.80	1052	195	3.80	141	475	8.80	15
6228	76	CHEV	VEGA	140	15	110	0.90	931	200	4.00	498	980	10.00	11
6229	76	CHEV	MONZ	262	15	45	0.02	1589	200	3.75	379	430	9.50	57
6230	76	CHEV	MONT	350	30	30	0.01	1642	30	0.01	360	25	0.01	587
6231	76	CHEV	MALI	350	24	34	0.01	1189	34	0.01	265	30	0.01	663
6232	76	CHEV	MALI	350	30	40	0.10	3036	120	1.60	891	360	7.00	51
6233	76	CHEV	MALI	350	30	30	0.01	2267	30	0.02	319	30	0.01	299
6234	76	CHEV	NOVA	305	24	60	0.17	1194	42	0.01	518	185	1.30	309
6235	76	CHEV	STAW	140	15	30	0.00	636	40	0.10	203	35	0.10	187
6236	76	CHEV	MONT	350	30	60	0.10	1774	55	0.10	379	55	0.10	478
6237	76	CHEV	MALI	250	24	30	0.01	2253	30	0.01	1728	320	4.50	82
6238	76	CHEV	VEGA	140	15	50	0.10	676	90	0.10	774	80	0.10	172
6239	76	CHEV	NOVA	250	24	25	0.00	774	30	0.00	1170	235	3.20	139
6240	76	CHRY	NEWP	400	30	30	0.01	3228	25	0.00	1887	17	3.30	96
6241	76	CHRY	NEWP	400	30	30	0.01	1606	30	0.01	1268	32	0.01	108
6242	76	DODG	CHAR	360	30	50	0.10	1682	55	0.10	2045	200	5.40	60
6243	76	DODG	STAW	318	24	52	0.03	3036	50	0.03	1642	60	0.07	265
6244	76	DODG	DART	225	24	130	1.40	1217	100	0.20	695	280	3.80	50
6245	76	DODG	MONA	360	30	40	0.01	2223	40	0.01	2000	35	0.01	111

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						— HIGH SPEED —			— LOW SPEED —			—— IDLE ——		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6246	76	DODG	CORO	318	24	37	0.00	711	61	0.00	233	295	1.30	140
6247	76	DODG	ASPE	225	24	50	0.00	1516	65	0.00	682	175	1.20	162
6248	76	FORD	STAW	400	30	24	0.03	93	20	0.00	94	26	0.00	88
6249	76	FORD	ELIT	351	30	83	0.12	1099	79	0.17	695	86	0.10	144
6250	76	FORD	GRAN	200	24	64	0.00	1311	73	0.00	1099	94	0.00	60
6251	76	FORD	LTD	351	30	45	1.00	809	45	0.03	483	70	0.03	147
6252	76	FORD	STAW	140	15	80	0.10	2223	60	0.10	813	50	0.10	50
6253	76	FORD	GRAN	250	24	60	0.02	774	60	0.01	111	45	0.00	399
6254	76	FORD	GRAN	302	24	100	0.10	980	90	0.10	715	70	0.10	121
6255	76	FORD	MUST	140	15	64	0.01	872	75	0.01	685	49	0.00	65
6256	76	FORD	STAW	351	30	30	0.10	735	30	0.10	458	30	0.10	617
6257	76	FORD	MUST	171	15	70	0.10	813	60	0.10	557	170	2.00	131
6258	76	FORD	GRAN	250	24	50	0.01	1028	52	0.01	218	45	0.01	754
6259	76	FORD	PINT	140	15	45	0.10	498	45	0.10	116	45	0.10	34
6260	76	FORD	STAW	400	30	25	0.10	1028	25	0.10	498	25	0.10	518
6261	76	FORD	ELIT	351	30	80	0.10	1311	75	0.04	1099	85	0.15	224
6262	76	FORD	THND	460	30	44	0.00	919	53	0.00	521	50	0.00	616
6263	76	FORD	MUST	171	15	97	0.04	521	70	0.03	265	50	0.00	108
6264	76	FORD	STAW	400	30	45	0.02	784	45	0.01	438	175	1.80	203
6265	76	FORD	STAW	351	30	25	0.01	1148	32	0.00	663	30	0.00	61
6266	76	FORD	GRAN	302	24	90	0.10	885	90	0.10	478	100	0.10	379
6267	76	FORD	MUST	140	15	45	0.10	379	50	0.10	84	55	0.10	64
6268	76	LINC	MRK4	460	30	20	0.03	213	225	0.00	216	190	3.30	167
6269	76	LINC	CONT	460	30	33	0.01	577	33	0.00	369	32	0.00	213
6270	76	MERC	COUG	351	30	65	0.12	872	57	0.06	685	65	0.49	121
6271	76	MERC	MARQ	400	30	40	0.10	1028	50	0.10	498	285	5.40	111
6272	76	MERC	MONT	351	30	60	0.09	881	65	0.01	606	580	8.10	20
6273	76	MERC	MARQ	400	30	50	0.02	960	55	0.00	429	37	0.00	30
6274	76	MERC	MONA	302	24	72	0.03	784	65	0.01	379	55	0.01	53
6275	76	OLDS	DELT	350	30	35	0.02	360	31	0.00	483	360	5.00	9
6276	76	OLDS	CUTL	350	30	40	0.10	399	40	0.10	319	350	4.60	32
6277	76	OLDS	OMEG	260	24	50	0.00	833	48	0.00	1170	49	0.00	715

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						— HIGH SPEED —			— LOW SPEED —			— IDLE —		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6278	76	OLDS	CUTL	260	30	50	0.03	3130	60	0.04	1796	360	9.60	30
6279	76	OLDS	DELT	455	30	35	0.01	1475	37	0.01	498	270	3.60	42
6280	76	OLDS	CUTL	350	30	40	0.10	1358	45	0.10	2267	470	8.60	15
6281	76	OLDS	CUTL	350	30	30	0.10	1264	25	0.10	339	1160	10.00	7
6282	76	OLDS	CUTL	350	24	40	0.10	676	40	0.10	240	260	1.70	260
6283	76	OLDS	NNTY	455	30	27	0.01	399	33	0.01	245	110	1.80	57
6284	76	PLYM	STAW	318	24	50	0.10	813	75	0.10	279	330	2.80	136
6285	76	PLYM	FURY	318	24	65	0.00	739	110	0.00	360	420	6.60	69
6286	76	PLYM	STAW	360	24	40	0.10	1942	40	0.10	1571	190	5.40	67
6287	76	PLYM	VALI	225	24	40	0.01	1311	65	0.02	872	460	9.20	28
6288	76	PLYM	STAW	318	24	51	0.02	1209	103	0.02	255	510	7.10	49
6289	76	PLYM	STAW	225	24	40	0.02	1642	50	0.02	1423	620	4.50	57
6290	76	PLYM	VOLA	225	24	70	0.40	980	170	0.80	617	390	8.60	71
6291	76	PONT	ASTR	140	15	40	0.00	379	182	2.60	176	300	9.20	19
6292	76	PONT	BONN	400	30	31	0.01	2192	50	0.02	568	250	3.60	62
6293	76	PONT	GRNP	350	30	55	0.10	1544	65	0.10	794	380	6.60	62
6294	76	PONT	LEMA	260	30	30	0.01	1677	32	0.01	1308	30	0.01	417
6295	76	PONT	BONN	400	30	20	0.01	1571	25	0.01	530	25	0.01	189
6296	76	PONT	FIRE	350	24	40	0.01	1878	85	0.01	284	35	0.01	682
6297	76	PONT	GRNP	350	30	60	0.10	1682	70	0.10	676	65	0.10	359
6298	76	PONT	VENT	250	24	20	0.00	892	21	0.00	980	19	0.00	478
6299	76	CAPR	SEDA	140	15	56	0.10	379	60	0.90	85	60	0.60	47
6300	76	COLT	STAW	98	15	100	0.08	4216	175	1.25	1534	330	2.80	122
6301	76	DATS	B210	85	15	75	0.20	1264	160	0.18	1241	210	1.20	77
6302	76	DATS	SEDA	119	15	55	0.40	834	85	0.42	474	100	1.10	49
6303	76	DATS	B210	85	15	80	0.40	1170	130	0.30	656	160	0.80	40
6304	76	FIAT	SEDA	79	15	46	0.90	1973	70	0.50	530	120	1.90	29
6305	76	FIAT	SEDA	107	15	42	0.80	1423	60	0.76	379	133	1.20	110
6306	76	HOND	CIVI	76	15	70	0.40	1189	90	1.00	322	100	1.90	44
6307	76	HOND	CIVI	91	15	41	0.20	940	43	0.25	567	59	0.20	82
6308	76	MAZD	STAW	97	15	45	0.02	1942	55	0.02	2698	210	2.50	88
6309	76	TOYO	CELI	133	15	25	0.22	720	40	0.05	221	45	0.08	35

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						HIGH SPEED			LOW SPEED			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6310	76	TOYO	STAW	97	15	143	0.45	1846	141	0.90	322	150	0.28	47
6311	76	TOYO	CELI	133	15	43	0.25	685	40	0.40	119	45	0.22	34
6312	76	TOYO	CORO	97	15	99	0.34	1516	80	0.80	331	65	0.62	47
6313	76	VOLK	SCIR	97	15	25	0.02	1087	33	0.02	896	31	0.02	81
6314	76	VOLK	RABB	97	15	24	0.01	1066	25	0.01	809	27	0.01	130
6315	76	VOLK	DASH	97	15	148	0.37	1327	172	0.30	862	178	2.80	103
6316	76	VOLV	STAW	130	24	40	3.20	1229	40	4.20	455	40	0.08	67
5052	75	AMC	HORN	258	24	25	0.12	643	80	0.20	1241	125	0.23	195
5053	75	BUIC	REGA	350	30	40	0.50	1728	50	0.50	399	45	0.50	458
5054	75	BUIC	RIVI	455	30	50	0.10	1311	50	0.20	121	100	1.40	78
5055	75	CADI	DEVI	500	30	35	0.01	518	40	0.20	180	225	1.50	224
5056	75	CHEV	STAW	140	15	60	0.20	1451	60	0.20	577	380	4.00	72
5057	75	CHEV	MALI	350	30	40	0.50	2089	45	0.50	299	210	1.30	152
5058	75	CHEV	IMPA	350	30	20	0.10	1123	20	0.05	237	25	0.05	83
5059	75	CHEV	STAW	400	30	30	0.01	1028	32	0.01	419	32	0.01	58
5060	75	CHEV	NOVA	250	24	40	0.01	794	45	0.05	1123	45	0.05	617
5061	75	CHRY	CORD	360	30	35	0.15	1636	30	0.05	911	95	3.80	66
5062	75	DODG	CHAR	318	30	80	3.40	245	50	0.80	1076	60	0.90	86
5063	75	FORD	MUST	140	15	20	0.20	299	35	0.40	111	30	1.00	38
5064	75	FORD	LTD	351	30	40	0.20	1123	40	0.20	192	70	0.20	80
5065	75	FORD	LTD	400	30	20	0.08	695	40	0.06	169	65	0.40	172
5066	75	FORD	GRAN	250	24	45	0.05	2350	50	0.03	1678	55	0.02	183
5067	75	FORD	GRAN	302	24	65	0.07	691	60	0.05	754	55	0.03	74
5068	75	MERC	COUG	351	30	70	0.20	932	70	0.20	339	380	2.20	141
5069	75	OLDS	CUTL	350	30	30	0.05	892	40	0.10	478	270	1.50	177
5070	75	OLDS	NNTY	455	30	60	0.05	379	50	0.05	216	240	3.00	30
5071	75	PLYM	VALI	225	24	60	0.10	872	60	0.10	754	230	5.80	78
5072	75	PLYM	STAW	400	30	40	0.20	1170	40	0.20	1311	40	0.20	80
5073	75	PONT	GRNP	455	30	120	3.20	695	180	2.50	72	380	7.00	24
5074	75	PONT	LEMA	350	24	25	0.02	1028	35	0.05	1264	145	2.40	74
5075	75	DATS	SEDA	85	15	80	0.23	862	85	0.15	547	70	0.50	73
5076	75	TOYO	STAW	133	15	40	0.10	656	40	0.40	162	80	0.70	28

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						-- HIGH SPEED -			— LOW SPEED --			---- IDLE ----		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
5077	75	TOYO	CORO	97	15	80	0.40	1311	60	0.80	177	45	0.40	34
5078	75	VOLK	SEDA	97	15	155	0.70	1123	195	1.00	676	170	1.25	83
5079	75	VOLK	RABB	90	15	50	0.10	1028	55	0.10	478	50	0.10	44
5317	75	AMC	MATA	304	24	60	0.20	2178	65	0.20	813	70	0.20	78
5318	75	BUIC	SKYH	231	24	40	0.20	2000	80	0.80	339	140	1.70	299
5319	75	CADI	DEVI	500	30	90	1.50	389	140	2.30	339	250	4.00	146
5320	75	CHEV	VEGA	140	15	60	0.80	518	120	1.10	319	170	1.40	182
5321	75	CHEV	CAPR	350	30	15	0.05	1264	15	0.05	260	15	0.05	167
5322	75	CHEV	NOVA	262	24	20	0.01	518	20	0.01	162	25	0.01	319
5323	75	CHEV	MONT	350	30	35	0.04	1864	30	0.01	379	25	0.01	538
5324	75	CHEV	CAPR	400	30	30	0.10	754	30	0.10	518	30	0.10	224
5325	75	DODG	DART	225	24	22	0.06	784	40	0.20	399	250	7.20	77
5326	75	FORD	STAW	171	15	20	0.05	211	25	0.05	229	20	0.03	152
5327	75	FORD	LTD	400	30	50	0.30	1170	50	0.20	438	180	0.20	80
5328	75	FORD	STAW	351	30	50	0.10	2641	70	0.11	478	150	0.05	111
5329	75	LINC	CONT	460	30	30	0.17	636	35	0.23	136	60	1.80	46
5330	75	MERC	MONG	351	30	100	0.50	1774	90	0.70	518	120	2.00	23
5331	75	OLDS	OMEG	260	24	30	0.01	2836	25	0.01	2022	30	0.01	379
5332	75	OLDS	DELT	350	30	78	1.40	508	33	0.05	319	200	1.60	177
5333	75	PLYM	FRY3	360	24	35	0.01	2836	30	0.01	646	70	0.90	88
5334	75	PONT	LEMA	350	24	45	0.05	1405	40	0.05	1405	35	0.05	245
5335	75	DATS	B210	85	15	95	0.13	1264	195	0.10	1217	300	1.40	68
5336	75	FIAT	SEDA	79	15	90	0.60	774	80	0.75	458	350	0.12	48
5337	75	HOND	CIVI	91	15	22	0.23	1544	38	0.32	389	300	0.36	59
5338	75	MAZD	RX4	80	15	160	1.90	184	350	3.50	41	500	2.90	17
4080	74	AMC	STAW	304	30	120	0.50	1544	200	0.30	1264	210	1.80	56
4081	74	BUIC	ELEC	455	30	90	0.30	1028	130	0.20	198	170	2.50	58
4082	74	CADI	DEVI	472	30	20	0.50	260	50	0.90	111	95	1.40	91
4083	74	CHEV	VEGA	140	15	120	0.50	872	200	0.40	1567	210	0.40	577
4084	74	CHEV	MALI	350	24	240	0.20	788	400	0.90	121	210	1.45	54
4085	74	CHEV	NOVA	250	24	90	0.14	1194	300	0.20	577	300	2.50	154
4086	74	CHEV	NOVA	350	24	90	0.80	1311	130	3.00	157	220	4.10	46

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						-- HIGH SPEED -			-- LOW SPEED --			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
4087	74	CHEV	IMPA	350	30	50	0.40	1028	100	0.50	319	150	0.35	144
4088	74	CHEV	STAW	400	30	70	0.80	715	200	1.60	299	240	2.60	66
4089	74	CHRY	NEWP	400	30	165	0.90	3228	210	1.10	1123	240	1.40	68
4090	74	DODG	CHAR	318	24	190	0.20	3228	320	1.10	1544	320	5.40	78
4091	74	FORD	PINT	122	15	100	0.20	1498	80	0.20	229	1480	0.30	23
4092	74	FORD	TORI	302	24	120	0.30	2134	130	0.20	715	380	3.90	76
4093	74	FORD	MAVE	250	15	100	0.20	892	90	0.50	299	240	4.20	48
4094	74	FORD	STAW	400	30	35	0.10	636	45	0.15	685	115	1.20	339
4095	74	FORD	LTD	351	30	130	0.23	1382	90	0.25	1544	130	0.20	245
4096	74	MERC	MONG	351	30	125	1.00	3032	95	0.30	1217	105	0.50	146
4097	74	OLDS	CUTL	350	30	250	0.80	1451	170	0.80	597	200	0.20	91
4098	74	OLDS	NNTY	455	30	35	0.12	1194	90	0.12	1544	100	0.50	91
4099	74	PLYM	STAW	318	30	70	0.30	1521	90	0.35	369	130	0.80	101
4100	74	PLYM	DUST	225	24	160	1.50	2350	200	1.00	1728	100	1.30	109
4101	74	PONT	GRNV	455	30	100	0.20	4024	130	0.20	2089	180	0.20	78
4102	74	DATS	STAW	119	15	80	0.15	1682	75	0.70	458	70	0.85	40
4103	74	TOYO	CORO	97	15	80	0.35	1728	170	0.70	715	200	1.20	80
4104	74	TOYO	CORO	120	15	50	0.20	843	140	1.50	498	450	8.20	46
4105	74	VOLK	SEDA	97	15	160	0.30	1682	170	0.20	498	240	1.80	70
4106	74	VOLK	SEDA	97	15	120	0.40	1311	200	1.80	597	240	6.60	66
4339	74	AMC	GREM	258	15	100	0.80	2178	180	5.00	96	310	7.40	50
4340	74	BUIC	CNTY	350	30	83	0.30	1099	130	0.30	379	225	3.80	46
4341	74	BUIC	ELEC	455	30	30	1.10	203	35	0.10	224	160	1.20	146
4342	74	CHEV	MALI	350	24	40	0.25	892	60	0.25	229	100	0.20	66
4343	74	CHEV	MALI	350	30	1900	1.30	478	1600	0.15	213	1700	0.65	131
4344	74	CHEV	IMPA	350	30	30	0.80	788	30	0.20	260	150	1.20	96
4345	74	CHEV	CAPR	400	30	30	0.40	1819	50	0.20	980	120	1.00	131
4346	74	CHEV	VEGA	140	15	230	1.30	1590	200	1.00	754	1900	8.10	51
4347	74	DODG	DART	225	24	170	0.35	3426	195	0.20	1358	150	1.20	106
4348	74	DODG	DART	318	24	150	0.40	1636	260	0.45	2134	280	5.40	68
4349	74	FORD	TORI	351	24	200	0.55	1705	180	0.55	1382	375	6.40	58
4350	74	FORD	LTD	400	30	90	0.90	3032	50	0.20	577	210	2.40	141

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO.	YR	MAKE	MODL	CID	HP	-- HIGH SPEED - HC ppm/HEX	CO %	NOx ppm	-- LOW SPEED -- HC ppm/HEX	CO %	NOx ppm	---- IDLE ----- HC ppm/HEX	CO %	NOx ppm
4351	74	FORD	THND	460	30	140	2.10	1405	550	1.80	126	170	1.70	76
4352	74	FORD	MAVE	250	24	150	0.50	2267	130	1.50	656	250	5.20	86
4353	74	LINC	MRK4	460	30	130	2.00	1682	110	1.90	359	270	8.20	7
4354	74	MERC	COME	302	24	200	2.30	774	130	1.40	329	330	4.90	48
4355	74	OLDS	CUTL	350	30	80	0.20	932	170	0.40	940	310	7.00	56
4356	74	PLYM	FRY1	360	30	160	0.80	2022	190	0.70	2134	210	7.60	51
4357	74	PONT	BONN	400	30	50	0.20	1311	120	0.20	299	340	4.20	66
4358	74	PONT	VENT	350	24	40	0.20	498	65	0.25	167	240	4.00	70
4359	74	CAPR	SEDA	122	15	110	0.12	2000	190	0.40	1028	240	3.10	84
4360	74	DATS	SEDA	79	15	190	0.15	3426	260	0.45	1498	340	3.20	136
4361	74	MAZD	RX3	70	15	300	2.60	187	530	3.20	44	640	2.10	11
3107	73	AMC	GREM	232	15	30	0.12	557	115	0.36	299	145	2.10	68
3108	73	BUIC	RIVI	455	30	30	0.20	1028	40	0.45	468	60	2.50	60
3109	73	BUIC	CNTY	350	24	100	0.20	932	160	0.15	319	350	0.30	32
3110	73	CADI	DEVI	472	30	40	0.40	932	50	1.30	203	120	4.50	46
3111	73	CHEV	VEGA	140	15	140	0.20	2446	220	0.80	656	2000	8.80	24
3112	73	CHEV	MALI	350	24	65	0.30	813	110	0.90	116	160	0.70	68
3113	73	CHEV	NOVA	350	24	40	0.38	685	60	1.20	84	100	2.50	35
3114	73	CHEV	IMPA	350	30	40	0.20	1728	70	1.50	134	95	2.00	84
3115	73	CHEV	IMPA	350	30	80	0.30	2253	120	0.25	794	175	1.40	66
3116	73	DODG	DART	225	24	110	0.95	3923	130	0.15	3228	160	0.80	174
3117	73	FORD	PINT	122	15	110	0.22	2641	165	3.50	279	350	0.95	114
3118	73	FORD	TORI	351	30	180	0.70	2738	110	0.25	911	190	0.15	79
3119	73	FORD	MUST	302	24	160	0.70	1682	120	0.50	538	290	4.10	99
3120	73	FORD	CUST	351	30	160	0.40	2446	120	0.30	813	280	6.00	58
3121	73	FORD	LTD	400	30	150	0.50	1076	200	0.30	1311	240	1.10	88
3122	73	MERC	MONT	400	30	40	0.30	676	60	0.20	438	300	7.60	53
3123	73	OLDS	CUTL	350	24	190	0.20	2641	260	0.40	1405	200	0.30	96
3124	73	OLDS	CUTL	350	24	50	0.20	836	100	0.80	676	140	0.50	152
3125	73	PLYM	SATE	318	24	160	1.00	1774	210	1.00	1819	110	1.50	84
3126	73	PLYM	VALI	225	24	120	0.40	2836	160	0.20	833	180	0.60	245
3127	73	PONT	CATA	400	30	100	0.25	1123	160	0.30	17	340	5.60	68

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						-- HIGH SPEED -			-- LOW SPEED --			---- IDLE ----		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
3128	73	PONT	LEMA	350	30	35	0.20	872	70	0.25	299	605	0.30	152
3129	73	DATS	510	97	15	80	0.45	1052	140	0.50	389	260	3.90	39
3130	73	OPEL	STAW	116	15	115	1.25	1819	190	2.60	359	140	3.10	67
3131	73	TOYO	CORO	97	15	220	1.00	2134	260	2.60	299	195	1.80	78
3132	73	VOLK	SEDA	97	15	130	0.40	1910	240	3.40	319	300	8.00	58
3133	73	VOLK	SEDA	97	15	240	0.25	1682	230	0.15	597	1950	2.00	66
3362	73	BUIC	CNTY	350	24	350	0.25	911	110	1.35	84	100	3.10	40
3363	73	BUIC	ELEC	455	30	75	1.10	784	95	1.40	339	150	2.10	56
3364	73	CHEV	STAW	400	30	50	0.30	1382	80	0.40	478	75	0.50	299
3365	73	CHEV	VEGA	140	15	180	1.00	2446	340	4.60	339	480	7.60	72
3366	73	CHEV	NOVA	250	24	90	0.15	1910	140	0.10	478	150	1.20	66
3367	73	CHEV	MONT	350	24	45	0.25	1004	80	0.10	247	95	0.10	169
3368	73	CHEV	MALI	307	24	70	0.70	833	90	0.11	245	140	1.80	49
3369	73	CHEV	CAPR	454	30	75	0.80	950	80	0.65	242	80	2.50	44
3370	73	CHRY	NEWP	400	30	120	0.30	1636	160	0.20	1728	220	0.20	66
3371	73	DODG	CORO	318	24	160	0.40	1636	240	0.30	1728	380	9.80	42
3372	73	DODG	POLA	360	30	100	1.80	3426	205	1.20	1796	180	2.30	86
3373	73	FORD	PINT	122	15	70	0.35	1544	300	5.80	146	270	8.20	39
3374	73	FORD	STAW	351	30	150	0.50	2134	160	0.30	636	200	2.80	86
3375	73	FORD	LTD	400	30	2000	0.45	2836	2000	0.35	626	2000	10.00	29
3376	73	FORD	STAW	460	30	25	0.50	1099	50	0.28	458	140	1.20	72
3377	73	MERC	COUG	351	24	170	0.25	715	190	0.20	538	120	0.20	80
3378	73	OLDS	CUTL	350	30	40	0.10	774	65	0.25	597	120	0.70	80
3379	73	OLDS	NNTY	455	30	20	0.10	932	30	0.18	518	150	4.50	66
3380	73	PLYM	SATE	318	24	105	0.30	2311	210	0.13	1311	700	1.50	126
3381	73	PONT	FIRE	350	24	55	0.30	528	150	0.40	794	310	4.40	74
3382	73	PONT	STAW	455	30	60	0.35	1774	120	0.80	577	400	8.00	32
3383	73	CAPR	COUP	122	15	90	0.30	3130	195	2.00	676	210	6.40	70
3384	73	MAZD	SEDA	70	15	20	0.12	339	80	0.80	66	100	0.08	26
2134	72	AMC	GREM	258	15	190	1.50	1358	200	1.00	577	250	2.20	141
2135	72	BUIC	LESA	455	30	190	0.35	3032	300	1.40	1590	1720	8.60	34
2136	72	CADI	DEVI	472	30	55	0.56	1264	70	1.90	270	95	4.00	40

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						-- HIGH SPEED -			-- LOW SPEED --			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
2137	72	CHEV	VEGA	140	15	35	0.44	1028	50	0.23	299	45	1.10	34
2138	72	CHEV	MONT	350	24	120	0.25	2836	190	0.40	1590	250	0.80	96
2139	72	CHEV	MONT	350	24	150	0.90	1955	140	0.20	931	190	0.60	106
2140	72	CHEV	NOVA	307	24	120	0.20	2134	240	1.80	1498	370	1.20	154
2141	72	CHEV	IMPA	350	30	100	0.25	2934	230	0.50	1955	235	1.70	146
2142	72	CHEV	CAPR	400	30	50	0.90	1405	65	0.20	498	410	10.00	19
2143	72	DODG	CORO	318	24	140	0.25	2836	300	0.20	2223	230	2.00	96
2144	72	FORD	PINT	122	15	75	0.30	2446	70	0.15	508	90	1.90	80
2145	72	FORD	TORI	351	24	150	0.50	2836	140	0.20	1028	200	0.70	96
2146	72	FORD	MAVE	200	15	170	0.20	3823	240	0.30	1498	320	3.80	104
2147	72	FORD	CUST	351	30	120	0.20	3228	130	0.20	1311	120	0.20	152
2148	72	FORD	STAW	400	30	130	0.35	3624	120	0.20	1123	300	8.20	70
2149	72	MERC	MONR	400	30	160	0.70	2446	160	0.20	1123	350	7.40	15
2150	72	OLDS	DELT	350	30	100	0.25	2134	250	1.20	1217	180	1.40	116
2151	72	PLYM	VALI	225	15	100	0.26	2223	280	7.60	144	240	6.40	68
2152	72	PLYM	STAW	360	30	100	1.20	2836	200	2.90	1217	230	8.00	66
2153	72	PONT	CATA	400	30	60	0.20	1521	120	0.55	774	360	3.90	71
2154	72	PONT	STAW	350	24	180	0.50	2446	280	1.50	872	470	9.00	11
2155	72	DATS	1200	85	15	95	0.20	1973	225	0.22	1346	240	0.81	246
2156	72	TOYO	CORO	120	15	130	0.20	3228	280	1.20	1405	340	1.10	299
2157	72	VOLK	SEDA	97	15	75	0.30	1887	190	2.30	399	510	7.00	62
2158	72	VOLK	STAW	103	15	180	0.45	1774	250	0.70	843	300	1.00	119
2385	72	BUIC	SKYL	350	24	140	0.55	2543	225	1.30	892	165	1.10	116
2386	72	BUIC	LESA	350	30	65	0.20	3228	135	0.18	1864	160	1.40	152
2387	72	CHEV	VEGA	140	15	330	4.60	836	400	1.00	1358	780	10.00	52
2388	72	CHEV	NOVA	250	24	30	0.20	1451	110	0.20	843	280	4.60	73
2389	72	CHEV	MONT	350	24	180	1.40	1977	150	3.50	1099	300	4.80	81
2390	72	CHEV	IMPA	350	30	130	1.75	2178	260	3.50	1076	380	9.60	56
2391	72	CHEV	STAW	400	30	50	0.40	1358	45	0.15	478	200	2.30	101
2392	72	CHRY	NEWP	400	30	120	0.90	2311	80	0.30	911	200	2.20	66
2393	72	DODG	DART	225	24	90	1.00	2178	130	0.60	76	200	1.20	9
2394	72	FORD	STAW	122	15	180	0.80	3624	295	2.50	1728	555	8.60	7

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						-- HIGH SPEED -			-- LOW SPEED --			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
0195	70	PLYM	STAW	383	30	85	0.50	2836	110	0.30	1498	270	9.00	56
0196	70	PLYM	DUST	198	15	162	0.40	3542	340	4.50	502	580	6.70	67
0197	70	PONT	BONN	455	30	180	0.09	2192	210	0.09	982	360	3.80	83
0198	70	DATS	510	97	15	150	0.15	2089	220	1.40	980	320	1.50	213
0199	70	TOYO	SEDA	113	15	240	0.60	4024	420	4.50	1358	440	1.40	438
0200	70	VOLK	SEDA	97	15	120	0.85	1194	205	1.00	389	290	2.40	64
0423	70	BUIC	LESA	350	30	125	0.50	2543	240	3.10	636	800	4.50	109
0424	70	BUIC	LESA	350	30	50	0.30	2022	220	1.90	617	510	9.40	36
0425	70	CADI	DEVI	472	30	260	0.70	1544	480	0.70	931	180	6.00	66
0426	70	CHEV	NOVA	307	24	260	0.30	852	250	0.65	438	435	3.40	218
0427	70	CHEV	IMPA	350	24	160	2.00	1028	160	2.00	339	330	4.40	72
0428	70	CHEV	IMPA	400	24	240	6.00	260	80	0.25	538	160	0.15	126
0429	70	CHRY	NEWP	383	30	66	0.14	2867	96	0.11	1045	240	6.00	69
0430	70	DODG	CORO	318	24	190	2.00	2134	280	2.20	1123	1250	4.80	96
0431	70	FORD	MAVE	200	15	175	0.25	2836	180	1.80	597	470	6.20	62
0432	70	FORD	MUST	351	24	190	0.70	2530	550	0.30	1189	720	8.60	51
0433	70	FORD	LTD	390	24	60	0.30	2836	440	0.15	1590	2000	4.40	126
0434	70	OLDS	NNTY	455	30	50	0.15	1028	155	1.40	872	255	6.60	58
0435	70	PLYM	FRY2	383	24	95	3.20	2530	150	2.40	1189	190	3.70	88
0436	70	PONT	BONN	455	30	140	0.20	3228	210	0.70	1099	490	3.90	77
0437	70	VOLK	SEDA	97	15	130	0.40	2201	160	0.23	359	620	2.90	44
9438	69	AMC	RAMB	199	15	2000	0.90	1521	2000	1.90	438	2000	0.13	50
9439	69	BUIC	ELEC	430	30	120	0.20	3228	260	2.00	1774	480	4.40	131
9440	69	BUIC	STAW	350	30	90	0.28	3032	155	0.70	1288	170	5.00	106
9441	69	CADI	DEVI	472	30	115	0.60	2446	150	1.80	794	140	1.10	319
9442	69	CHEV	NOVA	307	15	120	0.65	794	190	2.30	169	320	4.50	53
9443	69	CHEV	IMPA	350	30	150	0.20	2134	195	0.50	656	240	2.40	88
9444	69	CHEV	MALI	307	24	220	2.80	1682	300	1.40	1028	360	8.40	58
9445	69	CHEV	IMPA	327	30	210	1.20	2641	280	1.00	1864	440	4.80	69
9446	69	CHEV	IMPA	327	24	290	3.00	1498	320	1.10	1358	300	3.40	84
9447	69	CHEV	BISC	250	24	100	0.20	3624	280	0.15	2836	310	4.60	96
9448	69	CHEV	CAPR	350	30	1900	0.60	1451	1700	0.20	617	2000	7.00	62

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						HIGH SPEED			LOW SPEED			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
9449	69	CHRY	STAW	383	30	170	0.55	4225	170	0.20	2253	140	0.14	74
9450	69	DODG	CORO	318	24	190	0.08	3373	230	1.20	2024	240	2.60	103
9451	69	FORD	FAIR	250	24	215	1.10	3724	320	0.70	2641	410	6.20	111
9452	69	FORD	MUST	302	24	335	0.32	3426	520	0.65	2134	205	10.00	5
9453	69	FORD	TORI	351	24	200	1.50	2134	190	0.60	980	220	3.00	109
9454	69	FORD	LTD	390	24	250	0.40	2253	230	0.20	1498	180	0.10	70
9455	69	FORD	MUST	302	24	290	0.30	3426	400	0.60	2045	380	1.00	76
9456	69	FORD	STAW	390	30	175	1.00	3130	195	0.60	2045	190	2.90	82
9457	69	MERC	MARQ	429	30	275	0.50	3426	320	0.20	2446	430	5.40	82
9458	69	OLDS	NNTY	455	30	110	0.30	2446	210	1.80	1264	260	4.20	80
9459	69	OLDS	DELT	350	30	120	1.20	2045	160	1.00	1217	160	1.70	80
9460	69	PLYM	STAW	318	24	265	1.40	2738	450	2.80	1099	660	2.40	92
9461	69	PLYM	VALI	225	15	250	1.10	2836	350	1.00	1728	440	5.00	91
9462	69	PONT	LEMA	350	24	140	0.40	1498	170	0.50	597	340	3.20	84
9463	69	PONT	CATA	400	30	120	0.20	2543	330	2.50	1123	420	9.80	26
9464	69	PONT	CATA	400	30	75	0.20	1910	220	1.60	1028	270	4.20	101
9465	69	TOYO	CORO	116	15	1320	0.30	3879	1400	0.35	2192	445	3.50	69
9466	69	VOLK	TRAN	97	15	150	3.20	872	200	1.50	518	650	9.20	19
9467	69	VOLK	TRAN	97	15	210	2.00	1955	200	1.10	676	430	1.80	68
8468	67	AMC	STAW	199	15	320	1.10	2934	570	6.20	154	930	10.00	20
8469	67	AMC	STAW	232	15	160	0.15	1358	205	0.20	508	260	0.11	299
8470	67	AMC	REBE	290	24	170	1.00	2446	420	3.80	794	800	10.00	26
8471	67	BUIC	LESA	340	30	42	0.28	1028	70	0.75	369	340	4.50	47
8472	68	BUIC	RIVI	430	30	55	0.18	1842	85	0.15	656	100	0.15	157
8473	68	BUIC	STAW	350	30	110	2.80	1636	180	2.70	577	130	4.50	58
8474	66	CADI	FLEE	429	30	290	3.60	1864	470	3.40	1076	600	10.00	125
8475	67	CHEV	IMPA	283	24	400	4.30	1358	600	4.00	852	960	10.00	9
8476	67	CHEV	CHEL	283	24	210	1.40	1819	300	1.00	1028	1200	1.00	54
8477	67	CHEV	BELA	283	24	375	3.40	1288	530	3.00	1004	700	3.40	64
8478	68	CHEV	IMPA	307	24	310	1.05	1796	380	2.80	518	900	0.40	116
8479	67	CHEV	CAPR	327	24	280	4.00	813	415	4.20	419	370	0.40	78
8480	68	CHEV	IMPA	307	24	350	3.00	597	380	1.20	438	800	5.00	72

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						-- HIGH SPEED -			-- LOW SPEED --			---- IDLE ----		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
8481	67	CHEV	IMPA	283	24	340	1.80	2641	500	2.50	1217	940	7.40	44
8482	67	CHEV	MALI	283	24	250	2.30	1636	380	2.30	872	580	5.20	106
8483	68	CHEV	IMPA	307	24	280	1.30	2245	430	1.60	931	840	4.30	80
8484	68	CHEV	IMPA	307	24	290	2.50	1636	390	1.20	1123	850	7.80	38
8485	68	CHEV	STAW	327	30	210	1.90	1977	610	4.50	279	780	10.00	4
8486	68	CHEV	IMPA	327	24	315	3.20	1590	295	1.00	1099	300	2.50	144
8487	68	CHRY	NEWP	383	30	195	2.90	2022	235	2.80	980	200	3.20	89
8488	66	DODG	DART	225	15	290	1.00	852	360	1.80	48	490	7.40	11
8489	68	DODG	CORO	318	24	155	0.65	3130	205	0.50	1955	280	5.20	82
8490	66	DODG	POLA	383	30	180	0.80	2156	290	1.00	1335	900	8.20	50
8491	68	FORD	MUST	200	15	160	0.15	2446	275	0.40	1052	205	1.10	152
8492	66	FORD	MUST	200	15	250	1.00	2836	395	2.20	1288	650	8.10	2
8493	66	FORD	STAW	289	30	230	0.90	2836	420	0.60	1774	520	7.40	44
8494	68	FORD	LTD	302	24	260	0.60	3228	340	1.80	1028	370	6.20	66
8495	67	FORD	LTD	390	24	200	1.00	2836	230	0.50	1521	810	6.20	76
8496	68	FORD	STAW	390	30	175	0.30	3130	170	0.18	1613	340	4.20	90
8497	66	FORD	MUST	200	15	265	2.60	1864	350	1.70	1076	490	6.20	64
8498	67	FORD	MUST	289	24	260	0.30	3032	490	2.00	1358	580	8.80	9
8499	68	FORD	FAIR	289	24	225	0.30	715	265	0.35	872	345	5.20	83
8500	68	FORD	STAW	390	30	105	1.00	1544	100	0.70	646	240	5.90	96
8501	66	FORD	STAW	428	30	120	0.50	3032	200	1.30	1590	180	1.40	80
8502	67	LINC	CONT	462	30	170	5.00	568	193	2.50	587	250	2.35	142
8503	67	MERC	COUG	289	24	210	1.00	2134	350	2.00	980	380	4.00	90
8504	67	OLDS	DLMN	330	30	360	2.40	1123	320	0.70	498	580	6.40	48
8505	68	OLDS	NNTY	455	30	150	2.50	1864	200	4.20	498	260	5.60	84
8506	68	OLDS	CUTL	350	24	260	4.60	901	400	8.40	167	390	10.00	40
8507	68	PLYM	STAW	318	24	150	0.50	4426	240	0.60	299	630	9.00	198
8508	68	PLYM	VIP	318	24	150	0.15	3327	265	0.60	1544	390	7.30	67
8509	68	PLYM	STAW	383	30	300	7.20	518	380	5.40	478	350	9.90	17
8510	66	PLYM	VIP	383	24	100	0.60	1910	135	0.50	980	300	5.50	58
8511	67	PONT	LEMA	326	24	350	4.60	1123	330	1.80	1028	525	3.50	152
8512	66	PONT	BONN	389	30	2000	4.60	636	2000	2.80	950	2000	6.60	40

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

						— HIGH SPEED —			— LOW SPEED —			—— IDLE ——		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
8513	68	PONT	LEMA	350	24	160	0.50	2836	220	0.60	1311	310	5.40	80
8514	67	PONT	CATA	400	30	155	0.95	2738	255	1.90	1728	455	2.20	289
8515	66	PONT	BONN	389	30	2000	5.00	478	2000	4.80	399	2000	2.40	58
8516	66	VOLK	TRAN	91	15	110	0.15	1932	200	0.13	823	380	6.10	51
8517	68	VOLK	TRAN	97	15	220	6.80	213	170	6.00	101	2000	7.60	9

APPENDIX K

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						— HIGH SPEED —			— LOW SPEED —			— IDLE —		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6018	76	AMC	STAW	258	24	20	0.10	1189	50	0.15	1346	130	4.90	167
6019	76	BUIC	CNTY	350	30	15	0.04	2361	18	0.05	872	13	0.01	303
6020	76	BUIC	ELEC	455	30	20	0.01	1385	23	0.01	303	20	0.01	147
6021	76	CADI	ELDO	500	30	17	0.01	1148	20	0.01	436	70	0.65	587
6022	76	CHEV	STAW	350	30	15	0.01	2530	15	0.01	682	11	0.01	568
6023	76	CHEV	MALI	350	30	18	0.02	1878	20	0.05	284	12	0.02	464
6024	76	CHEV	MONZ	140	15	35	0.03	1045	32	0.03	147	300	6.40	35
6025	76	CHEV	STAW	400	30	10	0.01	2192	12	0.01	961	243	3.60	125
6026	76	CHEV	MALI	305	24	20	0.03	2530	25	0.02	474	10	0.03	739
6027	76	CHEV	NOVA	250	24	15	0.01	940	20	0.02	1571	172	0.73	303
6028	76	CHEV	CHET	85	15	20	0.02	3457	20	0.02	2530	10	0.02	191
6029	76	DODG	ASPE	318	24	32	0.02	1066	40	0.02	417	45	0.05	303
6030	76	DODG	ASPE	225	24	80	1.25	1366	178	1.60	1003	230	1.25	455
6031	76	FORD	STAW	140	15	40	0.01	982	50	0.02	765	35	0.01	142
6032	76	FORD	LTD	400	30	35	0.06	1268	35	0.02	720	90	0.01	398
6033	76	FORD	TORI	351	30	70	0.10	1846	90	0.11	1385	120	0.30	221
6034	76	FORD	GRAN	250	24	15	0.02	464	20	0.01	201	25	0.01	98
6035	76	FORD	GRAN	302	24	65	0.04	1423	60	0.01	663	50	0.01	167
6036	76	FORD	GRAN	351	24	55	0.02	1498	50	0.01	809	50	0.01	455
6037	76	MERC	MONG	400	30	30	0.05	1385	35	0.01	606	60	0.01	815
6038	76	MERC	MONA	250	24	35	0.10	1746	40	0.10	360	35	0.10	284
6039	76	OLDS	OMEG	260	24	40	0.10	2024	60	0.10	568	160	1.00	88
6040	76	OLDS	CUTL	350	30	20	0.02	1268	30	0.02	758	280	3.00	152
6041	76	OLDS	TORO	455	30	15	0.01	1498	15	0.01	1308	15	0.01	322
6042	76	PLYM	VOLA	225	24	40	0.06	5060	45	0.06	3710	180	2.00	98
6043	76	PLYM	VOLA	318	24	35	0.01	1460	60	0.01	568	45	0.05	455
6044	76	PONT	LEMA	350	30	35	0.03	2867	100	0.90	1423	30	0.03	549
6045	76	PONT	GRNP	400	30	22	0.01	2530	21	0.01	1268	20	0.01	303
6046	76	DATS	B210	85	15	80	0.12	2530	115	0.10	1107	120	0.55	63
6047	76	DATS	PICK	119	15	65	0.80	1516	100	1.50	739	180	2.50	78
6048	76	TOYO	CORO	97	15	68	0.40	1516	52	0.72	549	65	1.20	54
6049	76	TOYO	CELI	133	15	40	0.18	1346	40	0.60	464	150	0.65	191

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						HIGH SPEED			LOW SPEED			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6050	76	VOLK	RABB	97	15	30	0.00	940	25	0.00	127	25	0.00	59
6051	76	VOLK	RABB	97	15	30	0.03	1677	20	0.02	1003	15	0.02	88
6201	76	AMC	HORN	304	24	32	0.01	834	33	0.01	455	35	0.01	108
6202	76	AMC	STAW	258	24	60	0.10	1107	60	0.10	675	90	0.08	322
6203	76	AMC	MATA	360	30	20	0.01	1878	17	0.01	1003	16	0.01	135
6204	76	AMC	PACE	232	24	30	0.35	1385	60	0.40	982	170	0.20	360
6205	76	BUIC	CNTY	231	24	15	0.01	1308	50	0.40	369	190	3.20	191
6206	76	BUIC	LESA	350	30	20	0.01	3036	25	0.06	809	15	0.01	246
6207	76	BUIC	CNTY	350	30	20	0.01	1686	20	0.01	1024	15	0.01	474
6208	76	BUIC	ELEC	455	30	25	0.01	2192	25	0.01	360	20	0.01	227
6209	76	BUIC	CNTY	350	30	17	0.02	1498	16	0.01	1024	15	0.01	341
6210	76	BUIC	CNTY	231	24	18	0.01	1910	20	0.01	1066	135	3.30	303
6211	76	BUIC	SKYL	260	24	35	0.01	1686	35	0.01	1571	30	0.01	896
6212	76	CADI	SEVI	350	30	30	0.10	853	30	0.10	701	25	0.10	162
6213	76	CADI	DEVI	500	30	17	0.01	1268	18	0.01	663	15	0.01	701
6214	76	CADI	ELDO	500	30	18	0.00	1189	20	0.00	426	85	0.85	303
6215	76	CADI	DEVI	500	30	30	0.10	982	25	0.10	474	25	0.10	834
6216	76	CHEV	CHET	85	15	25	0.01	2698	25	0.01	2361	100	2.00	88
6217	76	CHEV	IMPA	350	30	19	0.01	2192	15	0.01	492	13	0.01	644
6218	76	CHEV	MALI	305	24	45	0.04	2361	35	0.04	896	160	1.63	130
6219	76	CHEV	MONT	350	30	20	0.01	2698	20	0.05	682	90	0.80	265
6220	76	CHEV	NOVA	250	24	20	0.01	982	40	0.01	1894	330	10.00	32
6221	76	CHEV	MONT	350	30	25	0.01	2530	30	0.80	417	20	0.01	853
6222	76	CHEV	CAMA	305	24	32	0.09	1308	30	0.03	758	225	1.20	312
6223	76	CHEV	CAPR	400	30	18	0.00	2698	20	0.01	896	30	0.06	110
6224	76	CHEV	STAW	350	30	10	0.02	1910	50	1.30	303	240	4.20	37
6225	76	CHEV	IMPA	400	30	20	0.01	2530	20	0.01	1066	20	0.01	436
6226	76	CHEV	MONT	350	30	17	0.01	1973	16	0.01	530	15	0.01	606
6227	76	CHEV	MONT	350	30	25	0.01	2530	25	0.04	455	20	0.01	720
6228	76	CHEV	VEGA	140	15	35	0.01	1268	180	1.60	584	240	4.60	93
6229	76	CHEV	MONZ	262	15	24	0.01	1606	25	0.01	815	24	0.01	162
6230	76	CHEV	NOVA	350	24	20	0.00	1779	25	0.01	616	23	0.01	445

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						HIGH SPEED			LOW SPEED			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6231	76	CHEV	MALI	350	24	20	0.01	1229	30	0.03	181	15	0.01	606
6232	76	CHEV	MALI	350	30	25	0.01	2361	25	0.01	675	20	0.01	265
6233	76	CHEV	MONT	350	30	20	0.01	2024	20	0.01	474	45	0.80	186
6234	76	CHEV	CAMA	305	24	28	0.02	2361	25	0.01	606	22	0.01	455
6235	76	CHEV	STAW	140	15	70	0.03	1846	165	0.85	303	220	3.70	122
6236	76	CHEV	MONT	350	30	15	0.04	1855	100	2.20	360	140	1.00	172
6237	76	CHEV	NOVA	250	24	18	0.00	929	15	0.00	815	20	0.00	322
6238	76	CHEV	STAW	140	15	30	0.01	1606	160	2.50	303	220	7.20	68
6239	76	CHEV	NOVA	262	24	35	0.15	1606	25	0.01	682	20	0.01	417
6240	76	CHRY	CORD	400	30	20	0.03	3120	22	0.01	2192	20	0.01	172
6241	76	CHRY	NEWP	400	30	20	0.11	796	25	0.16	682	115	2.10	172
6242	76	DODG	ASPE	360	24	25	0.10	2530	25	0.10	1878	120	3.20	93
6243	76	DODG	CHAR	400	30	25	0.11	940	45	0.18	765	120	1.60	93
6244	76	DODG	ASPE	225	24	25	0.02	3204	30	0.02	1894	180	3.40	130
6245	76	DODG	CHAR	360	30	25	0.21	1148	20	0.01	891	22	0.01	117
6246	76	DODG	DART	318	24	23	0.03	843	95	0.02	360	290	0.03	369
6247	76	DODG	DART	225	24	24	0.02	1460	50	0.02	1148	220	3.65	322
6248	76	FORD	LTD	400	30	33	0.02	1229	44	0.01	663	30	0.01	701
6249	76	FORD	ELIT	351	30	75	0.22	1677	70	0.14	1308	70	0.10	474
6250	76	FORD	MAVE	250	15	50	0.01	246	40	0.01	1003	55	0.01	87
6251	76	FORD	STAW	460	30	30	0.10	1066	30	0.10	644	260	4.00	92
6252	76	FORD	STAW	140	15	58	0.05	982	50	0.02	331	30	0.02	43
6253	76	FORD	GRAN	250	24	20	0.01	1107	25	0.01	246	30	0.01	1268
6254	76	FORD	GRAN	302	24	68	0.03	1229	75	0.02	644	42	0.01	147
6255	76	FORD	STAW	140	15	40	0.01	1107	55	0.01	982	30	0.01	68
6256	76	FORD	ELIT	351	30	30	0.02	853	35	0.01	675	180	1.40	492
6257	76	FORD	MUST	171	15	70	0.18	2361	60	0.10	492	240	0.10	69
6258	76	FORD	GRAN	250	24	15	0.01	616	20	0.01	240	17	0.01	255
6259	76	FORD	PINT	140	15	30	0.02	1571	30	0.01	940	20	0.01	58
6260	76	FORD	STAW	400	30	23	0.02	1024	26	0.01	644	28	0.01	206
6261	76	FORD	TORI	351	30	30	0.01	1066	30	0.01	436	35	0.01	142
6262	76	FORD	LTD	400	30	15	0.01	635	20	0.01	246	17	0.01	284

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						HIGH SPEED			LOW SPEED			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6263	76	FORD	MUST	171	24	90	0.32	1189	60	0.16	530	32	0.01	82
6264	76	FORD	LTD	400	30	40	0.02	1385	35	0.01	765	30	0.01	417
6265	76	FORD	ELIT	351	30	60	0.08	1686	60	0.06	1385	65	0.08	147
6266	76	FORD	GRAN	302	24	50	0.02	1385	45	0.01	853	35	0.01	630
6267	76	FORD	MUST	140	15	45	0.01	1209	40	0.01	739	25	0.00	95
6268	76	LINC	MRK4	460	30	15	1.00	896	15	1.00	426	75	1.50	127
6269	76	LINC	MRK4	460	30	50	0.08	407	35	0.05	237	60	0.05	152
6270	76	MERC	MONA	302	24	65	0.05	1066	60	0.01	606	45	0.01	69
6271	76	MERC	MARQ	400	30	22	0.04	1024	23	0.01	483	24	0.01	350
6272	76	MERC	MONA	302	24	40	0.10	720	30	0.10	341	30	0.10	186
6273	76	MERC	MONG	400	30	45	0.10	1003	35	0.05	436	580	10.00	22
6274	76	MERC	MONA	302	24	40	0.04	982	35	0.01	455	35	0.01	208
6275	76	OLDS	CUTL	350	30	15	0.05	896	20	0.05	426	440	6.60	35
6276	76	OLDS	CUTL	350	24	25	0.01	1385	25	0.01	455	20	0.01	191
6277	76	OLDS	OMEG	260	24	20	0.01	1606	20	0.01	982	15	0.01	809
6278	76	OLDS	CUTL	260	24	20	0.01	1855	15	0.01	1189	15	0.01	379
6279	76	OLDS	NNTY	455	30	20	0.01	1460	20	0.01	675	15	0.01	152
6280	76	OLDS	CUTL	350	24	25	0.01	1229	20	0.01	284	20	0.01	360
6281	76	OLDS	STAW	350	30	45	0.50	765	40	0.01	896	20	0.50	208
6282	76	OLDS	CUTL	350	30	20	0.01	3626	25	0.02	3204	230	2.20	231
6283	76	OLDS	NNTY	455	30	17	0.07	587	17	0.00	625	13	0.00	549
6284	76	PLYM	STAW	318	24	23	0.03	1229	52	0.03	644	600	10.00	37
6285	76	PLYM	VOLA	318	24	45	0.05	1534	55	0.03	929	290	4.80	196
6286	76	PLYM	FURY	360	30	20	0.20	2530	25	0.10	2361	140	3.40	80
6287	76	PLYM	STAW	225	24	58	0.06	2361	100	0.05	1878	355	8.20	51
6288	76	PLYM	STAW	318	24	20	0.01	701	40	0.01	568	300	6.10	81
6289	76	PLYM	VOLA	225	24	30	0.10	4891	45	0.10	4216	340	7.80	122
6290	76	PLYM	VOLA	225	24	30	0.02	5397	34	0.02	3542	190	2.70	284
6291	76	PONT	STAW	140	15	135	1.60	1677	350	6.60	135	1150	10.00	13
6292	76	PONT	CATA	400	30	40	1.50	1498	40	0.10	492	320	6.40	31
6293	76	PONT	LEMA	350	30	85	2.20	1677	25	0.01	1846	50	1.20	1268
6294	76	PONT	VENT	260	24	20	0.01	1642	20	0.01	511	15	0.01	568

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						HIGH SPEED			LOW SPEED			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6295	76	PONT	BONN	400	30	20	0.10	940	20	0.10	284	20	0.10	79
6296	76	PONT	GRNP	350	30	25	0.10	568	20	0.10	303	25	0.22	51
6297	76	PONT	LEMA	350	24	15	0.01	1942	12	0.01	1189	12	0.01	758
6298	76	PONT	VENT	250	24	22	0.01	1066	24	0.01	1534	23	0.01	113
6299	76	CAPR	GHIA	140	15	33	0.05	417	23	0.02	235	35	0.01	88
6300	76	COLT	SEDA	97	15	55	0.42	1779	110	1.30	1107	340	3.30	511
6301	76	DATS	B210	85	15	45	2.40	1442	130	1.50	1746	95	0.40	103
6302	76	DATS	STAW	119	15	45	0.36	1498	60	0.28	675	75	0.01	68
6303	76	DATS	B210	85	15	35	0.14	1606	30	0.02	853	35	0.01	5
6304	76	FIAT	X1/9	79	15	40	0.88	853	40	1.25	191	135	2.20	67
6305	76	FIAT	124	107	15	15	0.38	853	15	0.50	265	25	0.60	53
6306	76	HOND	CIVI	76	15	25	0.46	1534	30	0.90	293	80	1.30	55
6307	76	HOND	CIVI	91	15	30	0.23	2530	40	0.30	1189	110	0.50	73
6308	76	MAZD	MIZE	78	15	22	0.01	3120	25	0.01	3204	140	1.20	176
6309	76	TOYO	CELI	133	15	25	0.42	1024	30	1.10	228	35	0.60	58
6310	76	TOYO	CORO	97	15	130	0.19	2361	120	1.00	521	138	2.00	79
6311	76	TOYO	CELI	133	15	40	0.12	805	45	0.30	142	45	0.13	31
6312	76	TOYO	STAW	97	15	85	0.40	1711	85	0.95	436	110	1.00	42
6313	76	VOLK	STAW	97	15	75	0.38	2698	80	0.35	1107	125	2.90	113
6314	76	VOLK	RABB	97	15	35	0.01	853	40	0.01	235	220	9.00	5
6315	76	VOLK	SEDA	97	15	160	0.40	1534	170	0.80	1148	150	2.20	113
6316	76	VOLV	264G	163	24	46	0.04	1642	65	0.01	464	370	0.02	90
5052	75	AMC	STAW	258	24	70	0.15	3710	120	0.17	2192	145	0.50	303
5053	75	BUIC	CNTY	350	24	30	0.12	2024	40	0.10	606	40	0.08	172
5054	75	BUIC	LESA	350	30	15	0.01	1534	65	1.60	455	120	4.40	127
5055	75	CADI	DEVI	500	30	20	0.04	3542	80	1.00	2024	380	7.80	54
5056	75	CHEV	VEGA	140	15	45	0.05	3542	75	0.36	809	140	2.40	88
5057	75	CHEV	MONT	350	30	20	0.02	1711	25	0.02	587	20	0.01	84
5058	75	CHEV	IMPA	350	30	20	0.01	1606	30	0.01	379	280	2.00	59
5059	75	CHEV	CAPR	400	30	24	0.01	1711	25	0.01	1148	37	0.01	110
5060	75	CHEV	NOVA	250	24	30	0.01	1229	35	0.01	1423	320	5.40	59
5061	75	CHRY	NEWP	400	30	80	1.40	1423	20	0.01	1855	160	4.40	108

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						-- HIGH SPEED -			— LOW SPEED —			—— IDLE ———		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
5062	75	DODG	DART	318	24	110	0.18	3204	170	0.25	2361	280	8.00	90
5063	75	FORD	STAW	140	15	110	0.10	1148	100	0.10	284	60	0.10	55
5064	75	FORD	STAW	351	30	40	0.12	1571	20	0.10	303	35	0.30	167
5065	75	FORD	LTD	400	30	50	0.18	1846	60	0.25	616	110	1.00	127
5066	75	FORD	GRAN	250	24	35	0.01	1686	30	0.01	436	30	0.01	49
5067	75	FORD	GRAN	302	24	110	0.20	3204	150	0.50	896	280	4.00	157
5068	75	MERC	MARQ	460	30	20	0.45	2361	25	0.50	1087	30	1.80	85
5069	75	OLDS	CUTL	350	30	25	0.01	1498	20	0.02	853	10	0.01	284
5070	75	OLDS	DELT	455	30	35	0.01	1148	38	0.01	360	35	0.01	167
5071	75	PLYM	VALI	225	24	24	0.01	3120	26	0.01	2108	23	0.01	331
5072	75	PLYM	VALI	318	24	10	0.02	549	40	0.02	1571	25	0.02	147
5073	75	PONT	STAW	400	30	10	0.23	1249	20	0.35	1189	290	3.40	63
5074	75	PONT	CATA	400	30	15	0.01	1385	130	2.10	929	210	2.80	127
5075	75	DATS	SEDA	85	15	65	0.26	1423	95	0.14	1148	100	0.90	68
5076	75	TOYO	CORO	133	15	20	0.15	1066	25	0.41	379	70	1.90	79
5077	75	TOYO	CORO	133	15	12	0.14	853	20	0.23	265	45	0.88	45
5078	75	VOLK	RABB	90	15	150	2.80	1571	145	2.40	663	55	0.80	65
5079	75	VOLK	RABB	90	15	40	0.10	2867	35	0.10	1229	20	0.10	73
5317	75	AMC	HORN	304	24	25	0.03	1148	20	0.02	1229	30	0.02	142
5318	75	BUIC	LESA	350	30	35	0.38	1066	85	2.20	284	35	0.01	208
5319	76	CADI	SEVI	350	30	20	0.01	896	25	0.01	398	25	0.01	83
5320	75	CHEV	STAW	140	15	27	0.21	1498	190	2.00	940	205	2.40	246
5321	75	CHEV	CAMA	350	24	20	0.01	1229	20	0.01	360	40	0.01	78
5322	75	CHEV	NOVA	262	24	30	0.01	982	25	0.01	630	20	0.01	530
5323	75	CHEV	MONT	350	30	30	0.05	2698	110	1.00	940	250	2.30	154
5324	75	CHEV	MONT	454	30	25	0.01	1229	25	0.01	853	20	0.01	53
5325	75	DODG	DART	225	24	50	0.03	1894	55	0.01	1229	220	7.20	91
5326	75	FORD	STAW	171	15	44	0.07	1711	50	0.10	293	43	0.02	176
5327	75	FORD	LTD	400	30	20	0.10	1229	10	0.10	189	15	0.60	360
5328	75	FORD	TORI	351	30	50	0.08	1385	70	0.06	511	135	0.05	117
5329	75	LINC	CONT	460	30	30	0.31	1385	25	0.40	464	70	1.75	98
5330	75	MERC	MONA	302	24	50	0.08	1107	50	0.02	765	40	0.01	208

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						-- HIGH SPEED -			-- LOW SPEED --			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
5331	75	OLDS	OMEG	350	24	20	0.01	1128	25	0.01	426	30	0.01	88
5332	75	OLDS	DELT	350	30	40	0.60	1107	25	0.01	1229	380	3.60	68
5333	75	PLYM	GRNF	360	30	21	0.35	1846	20	0.01	1288	35	0.45	113
5334	75	PONT	LEMA	250	24	15	0.01	1189	20	0.01	1855	20	0.01	227
5335	75	DATS	710	119	15	110	0.80	1642	130	0.31	1268	180	0,42	235
5336	75	FIAT	124	107	15	110	1.70	767	135	5.00	152	1450	10.00	19
5337	75	HOND	CIVI	91	15	15	0.12	1498	15	0.16	474	120	0.16	78
5338	75	MAZD	COUP	97	15	20	0.10	331	25	0.05	157	50	0.78	46
4080	74	AMC	MATA	304	24	125	0.28	2867	150	0.31	1677	270	3.60	98
4081	74	BUIC	ELEC	455	30	80	0.30	2951	88	0.16	1729	100	0.15	379
4082	74	CADI	DEVI	472	30	125	0.26	701	140	1.10	303	760	1.50	92
4083	74	CHEV	VEGA	140	15	95	1.05	1229	175	1.25	1642	295	6.90	142
4084	74	CHEV	MONT	350	30	30	0.60	1711	25	1.40	379	50	1.60	49
4085	74	CHEV	NOVA	250	24	70	0.45	1571	70	0.15	483	80	1.70	34
4086	74	CHEV	NOVA	350	24	30	0.21	777	55	0.34	231	95	0.09	196
4087	74	CHEV	IMPA	350	30	160	1.00	1148	300	0.60	284	500	0.10	67
4088	74	CHEV	CAPR	400	30	40	0.25	606	55	0.30	201	110	0.35	75
4089	74	CHRY	STAW	440	30	80	0.70	2445	145	2.35	1169	160	3.90	96
4090	74	DODG	MONA	360	30	100	0.80	3710	325	4.70	1066	930	10.00	27
4091	74	FORD	PINT	122	15	150	1.10	3289	200	4.70	3289	105	1.45	312
4092	74	FORD	MAVE	302	24	140	1.40	1498	80	0.80	584	280	4.20	83
4093	74	FORD	MAVE	250	15	79	1.10	982	100	2.20	208	200	8.40	68
4094	74	FORD	LTD	400	30	110	0.24	3710	40	0.12	896	240	2.40	142
4095	74	FORD	LTD	351	30	135	0.70	3036	200	0.45	2698	235	5.70	113
4096	74	MERC	COME	302	24	160	0.60	1973	180	0.60	765	160	1.40	98
4097	74	OLDS	CUTL	350	30	50	0.80	1423	180	0.40	1642	90	0.30	117
4098	74	OLDS	NNTY	455	30	20	0.06	1066	55	0.25	929	30	0.12	233
4099	74	PLYM	SATE	318	24	135	0.31	2361	165	0.77	1571	170	2.25	147
4100	74	PLYM	DUST	225	24	120	0.35	4891	210	1.80	2024	420	9.80	66
4101	74	PONT	LEMA	350	24	95	0.24	3710	125	0.20	2192	290	4.50	132
4102	74	DATS	STAW	119	15	40	0.31	1229	60	0.35	758	55	0.55	75
4103	74	TOYO	CORO	97	15	65	0.43	1779	160	1.40	644	240	4.20	47

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						HIGH SPEED			LOW SPEED			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
4104	74	TOYO	CORO	120	15	45	0.18	1878	120	1.20	682	320	3.60	186
4105	74	VOLK	SEDA	97	15	115	0.42	1942	160	1.50	1107	145	5.10	84
4106	74	VOLK	SEDA	97	15	75	0.10	1862	140	1.90	616	100	2.80	127
4339	74	AMC	HORN	258	15	25	0.03	360	70	0.05	483	200	4.70	83
4340	74	BUIC	REGA	350	30	22	0.14	891	55	0.40	360	100	2.25	79
4341	74	BUIC	CNTY	350	30	25	0.55	1308	50	0.62	341	60	0.70	95
4342	74	CHEV	MALI	350	24	25	0.35	1024	35	0.72	167	50	2.30	55
4343	74	CHEV	IMPA	350	30	45	0.50	2361	65	1.40	711	75	3.00	77
4344	74	CHEV	IMPA	350	30	80	1.20	1677	80	0.12	720	110	2.40	51
4345	74	CHEV	STAW	400	30	50	0.60	1796	130	1.20	1249	300	8.20	67
4346	74	CHEV	VEGA	140	15	65	0.20	1534	110	1.55	417	240	8.80	65
4347	74	DODG	DART	225	24	180	1.50	2867	265	1.10	2698	370	7.90	98
4348	74	DODG	DART	318	24	145	0.32	2277	240	0.45	2445	180	1.35	159
4349	74	FORD	TORI	351	24	123	1.10	2614	125	0.55	1571	160	5.90	103
4350	74	FORD	LTD	400	30	80	0.12	2192	120	0.20	701	160	0.20	132
4351	74	FORD	THND	460	30	120	3.40	1460	160	4.90	341	200	8.40	77
4352	74	FORD	PINT	140	15	145	0.50	2783	255	4.30	274	265	9.40	64
4353	74	LINC	CONT	460	30	110	2.20	2004	120	2.40	815	230	9.20	71
4354	74	MERC	MONR	400	30	120	0.30	3204	100	0.28	834	320	5.80	98
4355	74	OLDS	CUTL	350	30	60	0.90	1686	100	1.00	982	100	1.20	152
4356	74	PLYM	VALI	318	24	140	0.20	1910	250	0.60	1878	180	4.30	117
4357	74	PONT	BONN	400	30	50	0.46	1268	130	0.70	474	180	1.70	206
4358	74	PONT	FIRE	350	24	120	0.70	3373	160	0.80	1686	280	1.50	181
4359	74	CAPR	COUP	122	15	122	0.25	2361	180	0.85	701	150	3.90	51
4360	74	DATS	SEDA	79	15	120	1.20	1189	180	0.60	1268	220	1.60	191
4361	74	MAZD	RX2	70	15	390	3.20	196	545	4.40	51	1530	4.25	17
3107	73	AMC	GREM	232	15	60	0.15	1460	180	3.30	194	320	7.70	42
3108	73	BUIC	RIVI	455	30	10	0.30	777	30	0.15	228	35	0.11	98
3109	73	BUIC	CNTY	350	24	70	0.18	2867	80	0.12	1229	95	0.60	237
3110	73	CADI	DEVI	472	30	50	0.28	1606	65	1.10	900	50	1.00	84
3111	73	CHEV	VEGA	140	15	105	0.27	2192	180	1.30	961	100	0.18	132
3112	73	CHEV	NOVA	350	24	89	0.92	1189	185	3.60	115	235	6.80	45

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						-- HIGH SPEED -			-- LOW SPEED --			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
3113	73	CHEV	NOVA	350	24	75	0.15	853	120	1.00	122	140	2.30	59
3114	73	CHEV	IMPA	350	30	60	0.26	2867	110	1.55	1024	120	2.25	98
3115	73	CHEV	IMPA	350	30	60	1.20	1308	80	1.95	265	95	2.20	63
3116	73	DODG	DART	225	24	120	1.28	3879	180	0.63	2108	350	8.90	93
3117	73	FORD	STAW	122	15	145	0.15	3710	245	2.20	1024	320	3.10	75
3118	73	FORD	TORI	351	24	40	0.52	929	65	0.80	322	310	6.40	77
3119	73	FORD	MAVE	302	24	130	0.37	2530	125	0.28	982	400	5.70	88
3120	73	FORD	GALA	351	30	140	0.80	3710	220	1.60	1534	260	7.20	103
3121	73	FORD	LTD	400	30	100	0.70	3204	100	0.20	1686	280	3.40	142
3122	73	MERC	MONR	400	30	80	0.65	3963	53	0.50	777	150	2.80	184
3123	73	OLDS	STAW	455	30	50	0.12	3710	105	0.27	2108	65	0.08	130
3124	73	OLDS	CUTL	350	30	100	0.14	3036	200	0.40	2361	200	1.20	152
3125	73	PLYM	SATE	318	24	200	1.35	2361	290	0.65	831	330	3.65	117
3126	73	PLYM	DUST	225	24	120	1.60	2867	220	1.15	2530	300	8.60	67
3127	73	PONT	BONN	400	30	30	0.22	872	70	0.19	530	490	9.20	45
3128	73	PONT	CATA	350	30	120	0.40	4385	220	1.00	2698	200	1.40	176
3129	73	DATS	PICK	97	15	70	0.18	2024	120	0.14	765	1200	1.20	98
3130	73	OPEL	MANT	116	15	80	0.85	1169	80	2.10	237	100	4.75	70
3131	73	TOYO	CARI	97	15	170	0.90	2951	130	1.15	625	500	9.90	48
3132	73	VOLK	SEDA	103	15	100	0.80	3036	180	2.40	1346	140	3.20	98
3133	73	VOLK	SEDA	97	15	93	0.38	3626	70	0.09	875	130	0.65	110
3362	73	BUIC	CNTY	350	24	40	0.30	1045	79	0.65	379	135	1.80	117
3363	73	BUIC	ELEC	455	30	30	0.24	918	45	0.30	426	70	1.50	130
3364	73	CHEV	STAW	400	30	28	0.15	587	33	0.07	303	65	2.65	41
3365	73	CHEV	STAW	140	15	180	0.80	2867	260	2.40	1066	260	5.60	108
3366	73	CHEV	CAMA	350	24	70	0.15	2867	290	5.80	341	360	9.20	57
3367	73	CHEV	IMPA	350	30	50	0.29	3204	110	1.90	1169	90	2.50	80
3368	73	CHEV	NOVA	307	24	40	0.57	1169	55	0.17	492	160	0.08	231
3369	73	CHEV	STAW	454	30	160	0.20	3289	175	0.28	1107	335	4.10	86
3370	73	CHRI	NEWP	400	30	180	1.20	2783	165	1.00	1624	339	4.60	77
3371	73	DODG	CHAR	318	24	140	0.50	3289	160	0.40	2277	220	4.90	103
3372	73	DODG	POLA	360	30	100	1.70	2698	140	0.60	2867	140	2.00	147

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						— HIGH SPEED —			— LOW SPEED —			—— IDLE ——		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
3373	73	FORD	PINT	122	15	390	10.00	135	440	10.00	55	150	2.20	68
3374	73	FORD	TORI	351	24	160	0.61	1926	125	1.10	255	255	5.85	31
3375	73	FORD	LTD	400	30	90	0.35	2361	110	0.40	1385	225	4.40	113
3376	73	FORD	LTD	460	30	45	0.63	1642	40	0.38	568	155	4.20	84
3377	73	MERC	MONG	302	24	125	0.16	2867	80	0.14	701	210	1.45	132
3378	73	OLDS	CUTL	350	24	48	0.15	1346	80	0.23	739	100	0.09	127
3379	73	OLDS	DELT	455	30	30	0.10	1385	100	0.38	1460	160	1.70	90
3380	73	PLYM	SATE	318	24	120	0.20	2192	220	0.20	2024	200	5.80	113
3381	73	PONT	LEMA	350	24	130	0.15	2004	240	0.15	2361	360	7.00	83
3382	73	PONT	BONN	400	30	30	0.10	853	40	0.10	322	80	0.40	191
3383	73	CAPR	COUP	122	15	110	0.28	1910	155	1.20	322	135	3.40	29
3384	73	MAZD	STAW	70	15	50	0.80	587	520	2.00	100	1500	2.30	22
2134	72	AMC	GREM	258	15	145	0.20	2951	100	0.13	982	220	3.10	117
2135	72	BUIC	RIVI	455	30	140	0.33	1910	320	0.30	1045	1020	0.20	331
2136	72	CADI	DEVI	472	30	40	0.10	1148	60	1.00	226	220	5.80	27
2137	72	CHEV	STAW	140	15	30	0.40	896	50	0.60	227	120	0.90	61
2138	72	CHEV	MALI	350	24	115	0.40	2867	140	0.16	1686	200	3.00	157
2139	72	CHEV	MONT	350	24	120	0.45	3036	140	0.13	1711	310	5.70	103
2140	72	CHEV	NOVA	307	24	75	0.16	1855	180	0.10	1855	360	6.00	83
2141	72	CHEV	IMPA	350	30	50	0.15	2445	180	1.20	1308	225	4.10	125
2142	72	CHEV	IMPA	400	30	60	0.40	3120	110	0.24	2277	215	4.50	149
2143	72	DODG	DART	318	24	200	0.70	2698	300	0.25	1813	120	0.80	191
2144	72	FORD	PINT	122	15	135	0.13	5060	210	2.00	1589	1225	6.70	67
2145	72	FORD	STAW	351	30	60	1.00	1642	85	0.30	809	60	0.10	303
2146	72	FORD	MAVE	200	15	180	0.13	3879	340	2.40	796	540	8.60	88
2147	72	FORD	LTD	351	30	130	0.46	2698	125	0.15	1442	265	6.10	83
2148	72	FORD	LTD	400	30	60	0.17	2783	65	0.15	1169	160	4.20	95
2149	72	MERC	MONR	400	30	100	0.30	3204	130	0.20	1606	180	3.50	147
2150	72	OLDS	CUTL	350	24	115	0.40	2867	220	1.50	1189	200	3.60	100
2151	72	PLYM	DUST	225	15	235	3.45	1308	240	3.50	388	400	3.20	117
2152	72	PLYM	FRY3	360	30	150	2.30	2192	160	1.40	1571	235	4.10	172
2153	72	PONT	FIRE	400	24	120	0.95	1763	170	2.15	426	170	2.60	105

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS
ON INDIVIDUAL VEHICLES

PHOENIX

						-- HIGH SPEED -			— LOW SPEED --			---- IDLE ----		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
2154	72	PONT	LEMA	350	24	100	0.35	2698	160	0.12	1148	500	6.40	83
2155	72	DATS	STAW	97	15	40	0.50	1268	40	0.80	455	340	7.60	78
2156	72	TOYO	CORO	120	15	180	2.80	1686	200	2.00	720	75	0.08	78
2157	72	VOLK	SEDA	97	15	150	0.40	2867	190	1.10	767	160	4.20	86
2158	72	VOLK	STAW	103	15	60	0.40	1024	120	0.60	896	320	6.20	63
2385	72	BUIC	SKYL	350	24	110	0.50	3036	200	1.60	1066	260	5.40	93
2386	72	BUIC	STAW	455	30	20	0.10	1534	35	0.10	853	55	0.45	152
2387	72	CHEV	VEGA	140	15	70	0.50	1796	110	0.60	834	85	1.35	75
2388	72	CHEV	CHEL	307	24	105	0.25	1694	250	0.30	1498	345	1.95	127
2389	72	CHEV	IMPA	350	30	85	1.35	1571	100	1.20	834	240	2.80	122
2390	72	CHEV	IMPA	350	30	95	1.10	1989	145	2.50	853	375	8.70	65
2391	72	CHEV	STAW	400	30	100	0.90	2530	100	0.30	1606	180	0.30	147
2392	72	CHRY	NEWP	400	30	65	0.85	2108	90	0.90	940	140	2.10	108
2393	72	DODG	DART	225	24	100	1.00	2530	160	0.75	1024	150	3.80	57
2394	72	FORD	PINT	122	15	195	2.10	2108	170	0.35	1404	43	0.11	108
2395	72	FORD	TORI	302	24	125	0.25	2530	142	0.13	559	259	4.70	100
2396	72	FORD	TORI	351	24	130	0.62	3036	100	0.30	1189	140	2.00	265
2397	72	FORD	LTD	429	30	120	2.40	1779	120	1.00	1308	180	3.00	113
2398	72	LINC	MRK4	460	30	95	1.05	3204	65	0.15	1694	120	1.90	233
2399	72	MERC	MARQ	429	30	80	0.50	3204	75	0.25	1796	80	0.85	265
2400	72	OLDS	CUTL	350	24	70	0.12	1942	135	0.36	910	100	1.20	113
2401	72	OLDS	ROYA	455	30	45	0.12	2192	105	0.13	1779	95	0.80	127
2402	72	PLYM	DUST	318	15	130	0.15	2277	140	1.85	265	235	6.30	79
2403	72	PONT	STAW	455	30	60	0.10	3036	80	0.10	1606	160	1.30	98
2404	72	CAPR	COUP	122	15	45	0.15	2192	125	1.75	616	230	2.60	130
1159	71	BUIC	ELEC	455	30	195	0.21	2192	150	0.48	940	380	2.38	142
1160	71	BUIC	SKYL	350	24	80	0.20	3373	195	2.50	1024	260	6.20	113
1161	71	CHEV	VEGA	140	15	45	0.59	1288	70	0.24	682	760	10.00	43
1162	71	CHEV	MALI	350	24	85	0.61	2192	95	0.40	1066	240	2.85	108
1163	71	CHEV	CAMA	307	24	78	0.25	1958	82	0.20	1066	290	3.50	174
1164	71	CHEV	IMPA	350	30	55	0.18	2361	100	0.14	2024	140	0.18	398
1165	71	CHEV	BELA	350	30	110	0.31	2783	170	0.15	2108	290	3.20	113

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH NO.	YR	MAKE	MODL	CID	HP	HIGH SPEED HC ppm/HEX	HIGH SPEED CO %	HIGH SPEED NOx ppm	LOW SPEED HC ppm/HEX	LOW SPEED CO %	LOW SPEED NOx ppm	IDLE HC ppm/HEX	IDLE CO %	IDLE NOx ppm
1166	71	CHRY	NEWP	440	30	95	1.80	1677	145	1.50	1024	115	2.65	113
1167	71	DODG	CORO	318	24	130	0.28	3373	320	1.10	1711	320	5.00	88
1168	71	FORD	PINT	122	15	235	2.15	1846	330	3.20	511	280	8.20	63
1169	71	FORD	TORI	302	24	80	0.40	1746	155	0.42	1268	120	0.55	284
1170	71	FORD	MUST	250	24	140	0.35	5397	220	0.30	4048	460	5.80	122
1171	71	FORD	GALA	351	30	135	1.00	3710	145	0.18	3204	360	1.30	322
1172	71	FORD	LTD	400	30	20	0.12	1385	20	0.10	511	100	0.20	208
1173	71	MERC	COUG	351	24	125	0.37	2783	115	0.41	834	140	1.30	211
1174	71	OLDS	NNTY	455	30	40	0.18	3879	100	0.60	1855	110	1.50	108
1175	71	PLYM	VALI	225	24	105	1.10	3879	165	1.40	2530	200	3.70	208
1176	71	PONT	BONN	455	30	25	0.15	1677	85	1.50	625	460	8.90	32
1177	71	PONT	LEMA	350	24	48	0.17	1308	62	0.18	502	220	1.90	130
1178	71	DATS	STAW	97	15	120	0.19	3963	300	0.23	2108	620	0.15	221
1179	71	TOYO	CORO	71	15	200	1.10	1862	310	2.90	331	290	2.90	53
1180	71	VOLK	SEDA	97	15	100	1.50	1746	90	0.45	758	130	2.80	130
1405	71	AMC	AMBA	360	24	120	0.90	3373	180	1.00	1711	180	2.10	162
1406	71	BUIC	STAW	455	30	55	0.70	1942	50	1.00	616	80	1.65	127
1407	71	CADI	DEVI	472	30	70	1.30	1813	120	2.90	530	120	3.20	86
1408	71	CHEV	CHEL	350	24	120	0.15	2698	200	0.42	1779	560	0.30	644
1409	71	CHEV	MALI	307	24	180	1.50	1973	220	0.25	1442	240	3.80	61
1410	71	CHEV	MALI	350	24	115	1.75	1327	90	0.20	748	280	3.90	85
1411	71	CHEV	IMPA	400	30	60	0.80	2024	60	0.20	1107	280	7.40	83
1412	71	DODG	DART	225	24	150	1.70	3204	195	0.80	2530	495	9.20	72
1413	71	FORD	STAW	302	24	160	0.45	3373	135	0.39	1148	620	1.85	186
1414	71	FORD	TORI	351	24	80	0.45	1606	175	1.70	587	350	6.80	162
1415	71	FORD	GALA	351	24	215	2.20	2361	210	0.85	1229	355	9.60	71
1416	71	MERC	STAW	400	30	30	0.46	1346	30	0.18	815	125	4.00	132
1417	71	OLDS	STAW	350	24	155	0.39	3373	185	0.40	1779	145	1.95	152
1418	71	OLDS	CUTL	350	24	125	0.22	3204	195	0.70	1385	190	4.00	127
1419	71	PLYM	VALI	318	24	175	0.56	3542	315	1.45	1813	250	5.40	96
1420	71	PLYM	FRY3	360	30	100	0.75	4048	135	0.38	2361	185	4.80	137
1421	71	PONT	VENT	307	24	60	0.25	1846	235	0.21	2277	400	7.60	98

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						HIGH SPEED			LOW SPEED			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
1422	71	VOLK	SEDA	97	15	120	1.50	2108	230	2.80	682	400	7.80	69
0181	70	AMC	HORN	232	15	40	0.16	1346	175	0.75	625	160	3.15	108
0182	70	BUIC	WILD	455	30	80	0.50	2698	100	1.00	940	200	5.00	103
0183	70	CHEV	NOVA	307	24	120	1.85	1229	150	2.10	274	450	8.90	62
0184	70	CHEV	MALI	307	24	90	0.15	3710	190	0.20	2698	290	3.80	122
0185	70	CHEV	MALI	350	24	172	1.05	3036	160	0.14	1779	190	1.30	237
0186	70	CHEV	IMPA	350	30	160	1.23	2361	140	0.16	1498	350	4.23	132
0187	70	CHEV	IMPA	400	30	90	0.38	3204	80	0.15	1148	300	3.80	117
0188	70	DODG	CORO	225	24	110	0.95	3457	230	3.20	1479	150	4.10	98
0189	70	FORD	MUST	302	24	300	1.60	2530	300	2.20	644	260	5.40	88
0190	70	FORD	TORI	302	24	130	0.80	1694	195	0.30	1128	240	1.30	142
0191	70	FORD	GALA	351	24	210	1.35	2192	290	0.80	1385	200	3.00	147
0192	70	FORD	GALA	351	24	240	2.00	2361	110	0.23	1045	60	0.13	246
0193	70	MERC	STAW	390	30	80	1.10	1642	79	0.65	881	219	6.50	86
0194	70	OLDS	CUTL	350	24	220	0.10	3542	280	0.10	2024	320	0.10	103
0195	70	PLYM	STAW	383	30	130	1.70	2614	155	0.80	1729	170	7.20	86
0196	70	PLYM	DUST	318	15	1400	0.50	2783	760	0.15	635	490	0.30	312
0197	70	PONT	FIRE	350	24	165	4.45	530	120	0.90	455	185	1.50	181
0198	70	DATS	510	97	15	90	0.12	2192	105	0.50	805	75	0.90	55
0199	70	TOYO	CORO	116	15	100	0.60	3204	130	1.90	1024	140	0.90	191
0200	70	VOLK	KARM	97	15	110	0.60	2361	130	0.39	765	170	7.60	90
0423	70	BUIC	SKYL	350	24	160	0.40	3204	260	3.80	568	240	4.30	127
0424	70	BUIC	LESA	350	30	100	0.80	2530	230	3.80	606	280	7.80	53
0425	70	CADI	DEVI	472	30	290	9.30	246	340	10.00	82	310	7.40	73
0426	70	CHEV	MALI	307	24	150	1.10	2867	270	1.50	2192	400	8.65	81
0427	70	CHEV	MONT	350	24	190	0.90	1677	240	2.20	322	600	2.80	191
0428	70	CHEV	IMPA	350	30	235	1.60	2867	360	2.10	1910	390	9.05	75
0429	70	CHRY	NEWP	383	30	120	0.55	3457	115	0.15	1606	400	8.20	66
0430	70	DODG	STAW	318	30	125	0.35	2698	210	0.19	2277	1690	0.50	201
0431	70	FORD	MAVE	200	15	115	0.15	2277	130	0.15	853	110	0.60	322
0432	70	FORD	STAW	351	24	170	0.40	3879	140	0.10	1779	190	1.20	167
0433	70	FORD	LTD	390	30	170	2.10	1763	230	2.50	748	620	10.00	23

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						-- HIGH SPEED -			— LOW SPEED —			—— IDLE ——		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
0434	70	OLDS	CUTL	350	24	150	2.10	1189	145	1.50	474	320	5.40	73
0435	70	PLYM	FRY2	318	24	160	1.40	2530	260	2.00	1642	340	10.00	59
0436	70	PONT	GRNP	400	24	170	0.12	2951	240	0.45	1346	360	7.50	65
0437	70	VOLK	SEDA	97	15	150	1.00	2698	170	1.20	862	160	6.90	88
9438	69	AMC	AMER	199	15	200	0.60	2867	340	3.70	765	320	7.40	117
9439	69	BUIC	ELEC	430	30	200	2.80	1498	240	3.75	407	190	4.40	77
9440	69	BUIC	SKYL	350	24	130	0.30	3542	200	0.80	1385	240	4.00	113
9441	69	CADI	FLEE	472	30	30	0.31	1385	40	1.20	483	120	6.90	57
9442	69	CHEV	NOVA	307	24	190	1.50	2698	250	0.80	1498	300	6.00	79
9443	69	CHEV	CAPR	350	30	90	0.18	3289	230	0.21	2951	160	0.75	152
9444	69	CHEV	CHEL	307	24	170	2.00	2004	200	1.10	1423	270	4.30	84
9445	69	CHEV	IMPA	327	24	350	3.40	1642	420	2.00	1308	460	6.20	98
9446	69	CHEV	IMPA	350	24	210	0.30	3710	280	0.40	1813	270	4.30	122
9447	69	CHEV	NOVA	230	24	145	0.15	3036	265	0.75	2361	330	6.30	98
9448	69	CHEV	IMPA	350	30	135	0.30	3795	295	2.10	1642	320	7.25	80
9449	69	CHRY	NEWP	383	30	120	2.00	2445	65	0.19	1385	220	1.50	108
9450	69	DODG	CORO	318	24	150	1.00	4048	260	2.40	1878	280	5.80	127
9451	69	FORD	MUST	200	15	240	0.50	3710	180	1.50	537	180	6.40	103
9452	69	FORD	GALA	302	24	160	0.20	5060	220	0.20	3373	480	9.80	49
9453	69	FORD	TORI	351	24	130	0.40	2024	140	0.20	940	380	1.30	196
9454	69	FORD	XL	390	30	100	0.80	2698	140	0.20	2192	240	6.00	78
9455	69	FORD	STAW	302	24	210	0.50	3542	200	0.25	1423	220	2.90	73
9456	69	FORD	STAW	429	30	210	3.40	1694	310	4.50	1642	420	9.50	93
9457	69	MERC	STAW	390	30	100	0.90	2530	120	0.50	1024	320	5.20	73
9458	69	OLDS	MNTY	455	30	90	0.30	1878	160	1.80	940	140	3.50	67
9459	69	OLDS	CUTL	350	24	280	1.90	1677	800	0.90	1498	760	1.30	122
9460	69	PLYM	SATE	318	24	120	0.25	3710	235	1.10	2004	345	5.80	113
9461	69	PLYM	VALI	225	15	170	1.60	2192	180	0.60	1128	200	2.25	181
9462	69	PONT	STAW	350	24	150	0.70	3542	220	1.10	2361	300	7.40	127
9463	69	PONT	BONN	400	30	200	2.40	1878	330	6.10	322	280	6.80	59
9464	69	PONT	CATA	400	30	130	0.45	2951	305	3.10	1460	445	10.00	62
9465	69	TOYO	CORO	116	15	200	0.80	2361	270	3.70	961	260	2.85	127

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						HIGH SPEED			LOW SPEED			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
9466	69	VOLK	SEDA	91	15	120	1.30	1926	159	1.05	711	110	2.55	77
9467	69	VOLK	SEDA	91	15	110	1.70	2192	190	1.30	853	220	8.00	59
8468	68	AMC	REBE	343	24	210	0.80	2530	220	0.40	896	260	2.40	142
8469	65	AMC	CLAS	232	24	160	1.80	1973	400	8.60	216	400	10.00	41
8470	66	AMC	ROGU	290	15	260	1.20	3204	420	7.00	147	530	10.00	29
8471	67	BUIC	LESA	340	30	275	7.40	312	410	7.20	208	810	8.50	21
8472	68	BUIC	ELEC	430	30	130	1.00	4385	260	2.60	1308	240	8.00	113
8473	68	BUIC	SKYL	350	24	60	0.15	2361	70	0.15	853	230	2.30	73
8474	66	CADI	DEVI	429	30	110	1.65	1989	140	1.30	1829	135	2.65	206
8475	67	CHEV	NOVA	250	15	310	5.60	540	280	1.75	388	495	4.50	73
8476	67	CHEV	STAW	283	30	295	2.95	2108	445	3.70	1327	535	2.35	243
8477	67	CHEV	IMPA	283	24	195	0.49	3626	500	1.40	2192	1130	10.00	34
8478	68	CHEV	IMPA	307	24	160	1.80	2698	240	1.10	1571	400	2.50	122
8479	68	CHEV	IMPA	327	30	170	3.60	1003	245	5.20	398	370	8.40	53
8480	67	CHEV	STAW	396	30	160	1.90	3204	280	4.50	720	360	4.10	103
8481	67	CHEV	NOVA	283	15	425	3.00	1534	520	3.20	426	820	7.00	49
8482	66	CHEV	MALI	283	24	115	1.30	1003	155	0.85	474	250	2.65	53
8483	68	CHEV	MALI	307	24	1450	1.70	1346	365	1.20	597	480	1.80	113
8484	68	CHEV	CHEL	307	24	135	0.85	3204	190	0.82	1624	85	0.65	50
8485	68	CHEV	CAPR	327	24	180	1.85	1571	235	2.90	474	455	8.20	49
8486	68	CHEV	STAW	396	30	220	4.60	940	420	7.60	360	630	9.00	77
8487	68	CHRY	NEWP	383	30	60	0.50	1910	100	1.30	663	210	5.30	67
8488	68	DODG	DART	225	15	190	4.80	549	160	1.20	492	240	4.10	75
8489	67	DODG	CORO	318	24	160	1.50	3710	280	1.60	2530	360	6.20	103
8490	68	DODG	POLA	383	24	180	2.30	1404	130	2.00	1024	400	8.30	48
8491	67	FORD	FALC	200	15	190	0.18	2783	95	0.99	341	170	7.20	87
8492	68	FORD	MUST	289	24	210	0.50	2361	299	1.20	918	265	4.90	130
8493	68	FORD	FAIR	289	24	160	0.80	2867	300	2.40	1308	200	2.00	152
8494	68	FORD	CUST	302	24	175	2.35	1249	125	3.10	122	230	9.70	36
8495	68	FORD	TORI	302	24	120	0.30	3542	240	0.50	1268	2000	3.60	45
8496	66	FORD	STAW	390	30	160	3.80	896	280	5.00	379	360	9.20	51
8497	66	FORD	FALC	200	15	190	0.40	2867	320	1.40	940	340	4.70	117

APPENDIX K CONT'D

LISTING OF CLAYTON KEY MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

						HIGH SPEED			LOW SPEED			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HP	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
8498	68	FORD	MUST	289	24	240	0.14	3204	280	1.00	1878	240	2.00	167
8499	68	FORD	RANC	289	24	220	2.00	1846	275	1.20	1066	300	7.50	71
8500	67	FORD	STAW	390	30	100	1.70	1249	99	1.25	530	240	4.40	68
8501	68	FORD	THND	429	30	155	0.95	3120	150	0.55	1148	260	1.65	455
8502	65	LINC	CONT	462	30	320	7.20	720	460	8.00	398	820	10.00	19
8503	67	MERC	COUG	289	24	220	1.80	1729	250	1.50	303	540	8.30	37
8504	67	OLDS	CUTL	330	24	140	0.33	2530	265	2.35	1087	180	1.15	147
8505	65	OLDS	NNTY	425	30	105	1.90	1066	145	1.80	464	330	8.10	59
8506	68	OLDS	CUTL	350	24	259	2.80	1404	305	2.25	701	780	4.90	80
8507	68	PLYM	SATE	318	24	110	0.30	3204	100	0.25	1460	360	4.80	103
8508	68	PLYM	FRY3	318	24	180	1.10	3373	300	1.40	1942	380	4.00	162
8509	68	PLYM	FRY3	383	24	70	0.35	2004	160	1.70	824	220	6.60	54
8510	66	PLYM	SPOR	383	24	190	3.80	720	240	3.00	407	550	8.20	64
8511	67	PONT	LEMA	326	24	165	0.25	3879	260	1.10	1989	340	2.80	682
8512	68	PONT	STAW	400	30	240	2.17	1516	320	4.80	369	205	0.10	69
8513	68	PONT	STAW	350	30	105	0.50	3289	165	0.21	3204	242	3.80	162
8514	68	PONT	CATA	400	30	140	1.20	1746	130	1.20	796	220	0.10	303
8515	68	PONT	CATA	400	30	120	1.20	2698	160	0.80	1942	220	2.80	221
8516	68	VOLK	SEDA	91	15	260	6.40	896	380	7.80	167	1100	10.00	23
8517	66	VOLK	SEDA	97	15	100	1.50	2530	150	0.70	1973	1600	0.80	122

APPENDIX L - LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

Legend

VEH NO. - Vehicle Number

YR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

CID - Engine Displacement in Cubic Inches

2250 RPM - Readings taken with engine at 2250 RPM transmission in neutral

IDLE - Readings taken with engine at normal idle, transmission in neutral

HC - Unburned Hydrocarbon Emissions in ppm hexane

CO - Carbon Monoxide Emissions in mole pecent

NOx - Oxides of Nitrogen Emissions in ppm

APPENDIX L

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
7001	76	CHEV	C10	350	62	0.01	235	390	6.30	42
7002	76	CHEV	VAN	350	42	0.01	206	56	0.01	61
7003	76	CHEV	C10	350	35	0.01	206	90	0.10	33
7004	76	CHEV	C10	350	30	0.01	177	35	0.01	56
7005	76	DODG	VAN	318	40	0.01	319	150	3.90	78
7006	76	DODG	VAN	225	23	0.01	265	15	0.01	117
7007	76	FORD	F100	302	25	0.01	172	27	0.01	69
7008	76	FORD	F100	360	50	0.15	146	70	0.15	66
7009	76	FORD	F100	360	50	0.14	108	50	0.14	76
7010	76	FORD	COUR	110	45	3.00	65	110	3.60	49
7011	75	CHEV	C10	350	56	0.37	184	53	0.43	64
7012	75	CHEV	G10	350	90	0.01	104	65	0.01	24
7013	75	CHEV	VAN	350	60	0.10	82	70	0.10	48
7014	75	DODG	B100	318	70	0.20	319	65	0.20	68
7015	75	FORD	F100	302	35	0.01	104	40	0.00	48
7016	75	FORD	F100	302	32	0.01	235	28	0.01	55
7017	75	FORD	F100	360	48	1.00	77	37	2.70	83
6018	76	AMC	HORN	258	45	0.48	468	75	0.32	101
6019	76	BUIC	REGA	350	28	0.01	131	23	0.01	56
6020	76	BUIC	STAW	455	60	1.00	121	45	0.10	78
6021	76	CADI	DEVI	500	30	0.01	114	32	0.01	96
6022	76	CHEV	IMPA	350	35	0.01	126	37	0.01	111
6023	76	CHEV	MONT	350	24	0.01	111	25	0.01	88
6024	76	CHEV	VEGA	140	80	1.70	221	160	5.30	67
6025	76	CHEV	STAW	400	55	0.08	167	570	9.20	13
6026	76	CHEV	MALI	305	36	0.01	169	350	5.80	47
6027	76	CHEV	CAMA	250	30	0.00	270	490	7.60	26
6028	76	CHEV	CHET	85	240	3.80	52	640	10.00	9
6029	76	DODG	DART	318	150	0.02	206	285	1.70	88
6030	76	DODG	DART	225	40	0.02	198	53	0.02	52
6031	76	FORD	MUST	140	45	0.00	177	40	0.00	44
6032	76	FORD	LTD	400	70	0.01	131	840	8.60	21

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6033	76	FORD	ELIT	351	30	0.11	162	75	0.06	66
6034	76	FORD	MAVE	250	35	0.10	42	25	0.05	84
6035	76	FORD	GRAN	302	40	0.02	260	50	0.02	39
6036	76	FORD	STAW	351	65	0.02	127	50	0.01	67
6037	76	MERC	MARQ	400	120	0.10	131	145	0.10	121
6038	76	MERC	MONA	250	58	0.02	57	60	0.02	53
6039	76	OLDS	CUTL	260	32	0.03	359	20	0.03	50
6040	76	OLDS	CUTL	350	25	0.01	99	60	0.02	27
6041	76	OLDS	NNTY	455	48	0.01	106	50	0.01	52
6042	76	PLYM	VALI	225	100	0.01	213	60	0.01	131
6043	76	PLYM	FURY	318	230	0.03	319	850	5.60	38
6044	76	PONT	GRNP	350	50	0.01	172	30	0.01	80
6045	76	PONT	TRAN	400	55	0.00	208	310	3.50	25
6046	76	DATS	B210	85	68	0.19	106	400	0.28	37
6047	76	DATS	710	119	70	0.25	246	95	0.70	122
6048	76	TOYO	CORO	97	52	0.31	74	55	0.61	44
6049	76	TOYO	STAW	133	38	0.21	98	38	0.44	37
6050	76	VOLK	RABB	97	48	0.01	130	42	0.01	69
6051	76	VOLK	RABB	97	230	0.01	152	360	0.01	68
6201	76	AMC	STAW	304	48	0.00	167	50	0.01	54
6202	76	AMC	PACE	258	50	0.18	279	65	0.07	106
6203	76	AMC	MATA	304	37	0.00	224	40	0.00	55
6204	76	AMC	GREM	232	57	0.30	547	123	2.00	93
6205	76	BUIC	CNTY	231	43	0.02	448	40	0.02	101
6206	76	BUIC	LESA	350	25	0.80	121	20	0.10	72
6207	76	BUIC	CNTY	350	30	0.01	152	25	0.01	92
6208	76	BUIC	ELEC	455	20	0.01	146	20	0.01	66
6209	76	BUIC	REGA	350	35	0.01	206	33	0.01	77
6210	76	BUIC	SKYH	231	30	0.10	101	25	0.10	91
6211	76	BUIC	SKYL	260	30	0.00	216	25	0.00	95
6212	76	CADI	SEVI	350	40	0.10	213	40	0.10	84
6213	76	CADI	DEVI	500	65	0.00	124	440	5.50	47

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6214	76	CADI	DEVI	500	49	0.02	169	50	0.02	127
6215	76	CADI	DEVI	500	59	0.10	92	300	1.30	50
6216	76	CHEV	CHET	85	50	0.10	682	230	5.00	63
6217	76	CHEV	IMPA	350	60	0.10	106	50	0.10	101
6218	76	CHEV	MONT	305	40	0.01	213	400	6.80	28
6219	76	CHEV	IMPA	350	130	2.00	84	250	3.90	21
6220	76	CHEV	NOVA	250	30	0.02	129	35	0.02	54
6221	76	CHEV	IMPA	350	100	1.70	208	810	4.60	30
6222	76	CHEV	VETT	350	115	1.60	157	305	4.40	50
6223	76	CHEV	STAW	400	30	0.01	235	32	0.01	88
6224	76	CHEV	MONT	350	45	0.10	157	40	0.10	96
6225	76	CHEV	CAPR	400	75	0.95	203	185	1.50	74
6226	76	CHEV	CAPR	350	25	0.01	196	25	0.01	127
6227	76	CHEV	MALI	350	165	3.60	64	470	8.00	14
6228	76	CHEV	VEGA	140	180	3.50	121	960	10.00	9
6229	76	CHEV	MONZ	262	76	0.00	426	420	8.90	53
6230	76	CHEV	MONT	350	35	0.09	98	30	0.01	127
6231	76	CHEV	MALI	350	32	0.01	265	30	0.01	142
6232	76	CHEV	MALI	350	70	1.10	265	390	6.40	39
6233	76	CHEV	MALI	350	35	0.02	96	30	0.01	56
6234	76	CHEV	NOVA	305	48	0.01	245	140	1.00	62
6235	76	CHEV	STAW	140	55	0.10	80	40	0.10	121
6236	76	CHEV	MONT	350	55	0.10	177	50	0.10	111
6237	76	CHEV	MALI	250	40	0.01	339	260	4.80	66
6238	76	CHEV	VEGA	140	70	0.15	141	80	0.15	68
6239	76	CHEV	NOVA	250	36	0.00	237	220	2.50	53
6240	76	CHRY	NEWP	400	45	0.01	319	14	3.20	61
6241	76	CHRY	NEWP	400	30	0.01	284	30	0.01	71
6242	76	DODG	CHAR	360	60	0.10	379	210	6.00	50
6243	76	DODG	STAW	318	45	0.03	474	100	0.11	122
6244	76	DODG	DART	225	110	0.60	172	380	3.00	46
6245	76	DODG	MONA	360	40	0.01	339	35	0.01	72

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					2250 RPM			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6246	76	DODG	CORO	318	45	0.00	120	300	1.80	42
6247	76	DODG	ASPE	225	53	0.00	235	34	0.00	65
6248	76	FORD	STAW	400	35	0.00	94	28	0.00	95
6249	76	FORD	ELIT	351	80	0.09	149	130	0.08	51
6250	76	FORD	GRAN	200	104	0.01	65	110	0.01	31
6251	76	FORD	LTD	351	95	0.03	122	90	0.02	61
6252	76	FORD	STAW	140	60	0.10	234	50	0.10	38
6253	76	FORD	GRAN	250	70	0.01	33	55	0.00	49
6254	76	FORD	GRAN	302	110	0.10	187	70	0.10	162
6255	76	FORD	MUST	140	42	0.00	211	41	0.00	44
6256	76	FORD	STAW	351	50	0.10	111	70	0.10	167
6257	76	FORD	MUST	171	60	0.10	172	150	1.10	84
6258	76	FORD	GRAN	250	60	0.01	56	55	0.01	86
6259	76	FORD	PINT	140	50	0.10	62	45	0.10	32
6260	76	FORD	STAW	400	70	0.10	116	60	0.10	131
6261	76	FORD	ELIT	351	55	0.07	198	60	0.10	73
6262	76	FORD	THND	460	55	0.00	140	80	0.00	218
6263	76	FORD	MUST	171	75	0.01	284	60	0.00	83
6264	76	FORD	STAW	400	70	0.01	111	165	0.85	51
6265	76	FORD	STAW	351	45	0.00	157	46	0.00	86
6266	76	FORD	GRAN	302	130	0.10	152	120	0.10	177
6267	76	FORD	MUST	140	90	0.10	72	50	0.10	48
6268	76	LINC	MRK4	460	150	0.00	80	310	3.90	46
6269	76	LINC	CONT	460	30	0.00	111	32	0.00	65
6270	76	MERC	COUG	351	46	0.06	121	40	0.26	53
6271	76	MERC	MARQ	400	200	0.10	162	1200	4.00	46
6272	76	MERC	MONT	351	70	0.01	137	70	0.01	25
6273	76	MERC	MARQ	400	50	0.00	114	27	0.00	33
6274	76	MERC	MONA	302	120	0.02	131	45	0.01	48
6275	76	OLDS	DELT	350	65	0.00	137	410	4.80	12
6276	76	OLDS	CUTL	350	60	0.10	106	370	3.80	28
6277	76	OLDS	OMEG	260	51	0.00	289	53	0.00	157

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6278	76	OLDS	CUTL	260	65	0.03	379	650	9.20	12
6279	76	OLDS	DELT	455	49	0.01	172	360	4.00	36
6280	76	OLDS	CUTL	350	80	0.10	359	1200	7.20	36
6281	76	OLDS	CUTL	350	160	0.10	101	1710	9.00	7
6282	76	OLDS	CUTL	350	45	0.10	167	250	1.60	60
6283	76	OLDS	NNTY	455	42	0.01	139	270	2.10	34
6284	76	PLYM	STAW	318	90	0.10	131	340	3.00	58
6285	76	PLYM	FURY	318	135	0.00	152	485	5.60	57
6286	76	PLYM	STAW	360	50	0.10	341	200	6.40	57
6287	76	PLYM	VALI	225	60	0.01	187	460	8.80	28
6288	76	PLYM	STAW	318	125	0.02	115	700	6.00	39
6289	76	PLYM	STAW	225	125	0.02	221	720	3.80	53
6290	76	PLYM	VOLA	225	90	0.10	84	440	7.80	49
6291	76	PONT	ASTR	140	125	3.00	76	320	9.90	16
6292	76	PONT	BONN	400	61	0.02	137	410	3.90	38
6293	76	PONT	GRNP	350	80	0.10	136	500	6.00	46
6294	76	PONT	LEMA	260	36	0.01	331	32	0.01	142
6295	76	PONT	BONN	400	25	0.01	176	35	0.01	98
6296	76	PONT	FIRE	350	70	0.08	108	40	0.01	147
6297	76	PONT	GRNP	350	70	0.10	152	70	0.10	106
6298	76	PONT	VENT	250	20	0.00	134	19	0.00	106
6299	76	CAPR	SEDA	140	60	0.30	58	62	0.55	46
6300	76	COLT	STAW	98	145	1.80	240	260	3.20	80
6301	76	DATS	B210	85	83	0.17	131	110	0.34	43
6302	76	DATS	SEDA	119	75	0.32	172	105	1.10	45
6303	76	DATS	B210	85	90	0.35	157	160	0.80	44
6304	76	FIAT	SEDA	79	110	0.70	93	90	0.90	33
6305	76	FIAT	SEDA	107	62	0.30	132	77	0.60	65
6306	76	HOND	CIVI	76	70	0.90	73	135	2.20	39
6307	76	HOND	CIVI	91	40	0.13	96	57	0.22	60
6308	76	MAZD	STAW	97	65	0.01	511	200	2.90	69
6309	76	TOYO	CELI	133	30	0.03	75	65	0.09	41

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6310	76	TOYO	STAW	97	97	0.40	77	170	0.27	45
6311	76	TOYO	CELI	133	46	0.22	69	54	0.20	34
6312	76	TOYO	CORO	97	30	0.24	398	50	0.60	50
6313	76	VOLK	SCIR	97	37	0.02	221	39	0.02	69
6314	76	VOLK	RABB	97	33	0.01	265	30	0.01	83
6315	76	VOLK	DASH	97	100	0.46	125	130	2.10	84
6316	76	VOLV	STAW	130	35	1.20	103	40	1.20	59
5052	75	AMC	HORN	258	50	0.20	359	85	0.40	96
5053	75	BUIC	REGA	350	60	0.50	121	50	0.50	66
5054	75	BUIC	RIVI	455	60	0.20	48	60	1.00	50
5055	75	CADI	DEVI	500	70	0.85	62	200	1.40	63
5056	75	CHEV	STAW	140	70	0.20	218	350	4.00	60
5057	75	CHEV	MALI	350	50	0.80	88	180	1.20	48
5058	75	CHEV	IMPA	350	20	0.05	99	25	0.05	48
5059	75	CHEV	STAW	400	30	0.01	124	38	0.01	31
5060	75	CHEV	NOVA	250	45	0.05	224	50	0.05	86
5061	75	CHRY	CORD	360	25	0.10	279	80	4.20	56
5062	75	DODG	CHAR	318	20	0.30	198	40	0.40	62
5063	75	FORD	MUST	140	65	0.30	60	35	1.10	39
5064	75	FORD	LTD	351	80	0.20	76	200	0.20	34
5065	75	FORD	LTD	400	25	0.06	167	125	0.12	70
5066	75	FORD	GRAN	250	100	0.02	192	45	0.02	54
5067	75	FORD	GRAN	302	45	0.03	195	45	0.03	45
5068	75	MERC	COUG	351	60	0.20	101	540	2.40	62
5069	75	OLDS	CUTL	350	50	0.10	121	380	1.70	44
5070	75	OLDS	NNTY	455	70	0.50	80	280	2.80	30
5071	75	PLYM	VALI	225	70	0.10	213	180	5.60	62
5072	75	PLYM	STAW	400	50	0.20	198	40	0.20	46
5073	75	PONT	GRNP	455	180	3.20	50	380	7.10	23
5074	75	PONT	LEMA	350	40	0.50	101	140	2.50	46
5075	75	DATS	SEDA	85	80	0.15	157	90	0.55	61
5076	75	TOYO	STAW	133	60	0.35	78	90	0.60	30

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE ----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
5077	75	TOYO	CORO	97	55	0.45	60	45	0.38	35
5078	75	VOLK	SEDA	97	115	1.00	94	175	1.10	80
5079	75	VOLK	RABB	90	50	0.10	136	50	0.10	48
5317	75	AMC	MATA	304	50	0.20	299	60	0.20	58
5318	75	BUIC	SKYH	231	60	0.80	52	70	1.50	70
5319	75	CADI	DEVI	500	130	2.50	88	330	3.60	53
5320	75	CHEV	VEGA	140	70	0.60	38	80	0.70	33
5321	75	CHEV	CAPR	350	25	0.05	121	20	0.05	52
5322	75	CHEV	NOVA	262	60	0.00	66	30	0.01	61
5323	75	CHEV	MONT	350	35	0.30	91	27	0.01	101
5324	75	CHEV	CAPR	400	30	0.10	91	40	0.10	54
5325	75	DODG	DART	225	45	0.08	146	210	6.10	62
5326	75	FORD	STAW	171	20	0.05	77	20	0.03	86
5327	75	FORD	LTD	400	60	0.20	182	560	0.20	38
5328	75	FORD	STAW	351	60	0.12	141	510	0.10	36
5329	75	LINC	CONT	460	30	0.10	104	45	0.80	46
5330	75	MERC	MONG	351	70	0.30	121	90	1.10	32
5331	75	OLDS	OMEG	260	25	0.01	309	30	0.01	96
5332	75	OLDS	DELT	350	38	0.05	91	140	1.30	52
5333	75	PLYM	FRY3	360	20	0.00	279	70	1.20	58
5334	75	PONT	LEMA	350	40	0.05	192	60	0.60	76
5335	75	DATS	B210	85	90	0.13	167	210	0.70	38
5336	75	FIAT	SEDA	79	160	0.30	111	350	0.10	38
5337	75	HOND	CIVI	91	70	0.34	116	300	0.30	60
5338	75	MAZD	RX4	80	255	3.10	21	445	2.80	18
4080	74	AMC	STAW	304	60	0.15	101	110	1.40	46
4081	74	BUIC	ELEC	455	60	0.20	88	95	1.50	46
4082	74	CADI	DEVI	472	50	0.25	67	90	0.70	67
4083	74	CHEV	VEGA	140	125	0.50	419	130	0.60	146
4084	74	CHEV	MALI	350	60	0.23	68	100	0.50	34
4085	74	CHEV	NOVA	250	2000	0.24	676	740	3.80	72
4086	74	CHEV	NOVA	350	40	0.55	72	50	1.40	35

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
4087	74	CHEV	IMPA	350	50	0.20	101	90	0.25	60
4088	74	CHEV	STAW	400	140	2.00	96	210	2.90	52
4089	74	CHRY	NEWP	400	90	1.60	399	180	5.60	52
4090	74	DODG	CHAR	318	120	0.70	339	300	5.00	62
4091	74	FORD	PINT	122	240	0.20	126	1480	0.30	24
4092	74	FORD	TORI	302	70	0.20	198	350	4.00	58
4093	74	FORD	MAVE	250	70	1.50	852	270	2.00	58
4094	74	FORD	STAW	400	45	0.11	260	70	0.70	121
4095	74	FORD	LTD	351	40	0.20	289	80	0.15	88
4096	74	MERC	MONG	351	40	0.30	279	60	0.50	70
4097	74	OLDS	CUTL	350	260	2.80	205	430	2.50	58
4098	74	OLDS	NNTY	455	35	0.13	379	70	0.60	74
4099	74	PLYM	STAW	318	75	0.35	299	100	0.50	73
4100	74	PLYM	DUST	225	140	1.20	478	120	1.00	109
4101	74	PONT	GRNV	455	70	0.20	177	500	0.20	46
4102	74	DATS	STAW	119	50	0.35	99	80	0.70	36
4103	74	TOYO	CORO	97	175	1.00	203	220	1.40	80
4104	74	TOYO	CORO	120	160	2.50	192	480	8.00	50
4105	74	VOLK	SEDA	97	410	0.20	577	400	1.30	68
4106	74	VOLK	SEDA	97	220	3.10	116	240	6.20	62
4339	74	AMC	GREM	258	130	2.50	167	250	6.50	48
4340	74	BUIC	CNTY	350	200	0.30	81	620	2.20	38
4341	74	BUIC	ELEC	455	25	0.20	70	110	0.80	64
4342	74	CHEV	MALI	350	60	0.20	80	140	0.15	28
4343	74	CHEV	MALI	350	1500	0.20	50	1400	0.30	38
4344	74	CHEV	IMPA	350	30	0.60	84	90	0.50	56
4345	74	CHEV	CAPR	400	60	0.10	198	100	0.15	60
4346	74	CHEV	VEGA	140	2000	0.55	843	2000	8.40	47
4347	74	DODG	DART	225	155	0.30	319	185	0.60	104
4348	74	DODG	DART	318	100	0.35	478	280	5.30	56
4349	74	FORD	TORI	351	35	0.35	339	280	5.50	49
4350	74	FORD	LTD	400	70	0.20	211	180	2.30	76

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
4351	74	FORD	THND	460	80	1.70	157	140	0.50	56
4352	74	FORD	MAVE	250	100	1.40	213	170	5.00	1682
4353	74	LINC	MRK4	460	80	1.50	40	240	8.70	8
4354	74	MERC	COME	302	100	1.20	109	220	4.70	36
4355	74	OLDS	CUTL	350	80	0.40	218	250	6.60	52
4356	74	PLYM	FRY1	360	50	1.80	260	230	7.70	42
4357	74	PONT	BONN	400	70	0.30	182	320	4.30	62
4358	74	PONT	VENT	350	60	0.45	101	260	4.40	56
4359	74	CAPR	SEDA	122	160	0.90	319	195	2.80	70
4360	74	DATS	SEDA	79	225	2.10	177	270	3.80	78
4361	74	MAZD	RX3	70	840	3.20	19	810	1.80	3
3107	73	AMC	GREM	232	50	0.08	164	145	2.20	69
3108	73	BUIC	RIVI	455	35	1.20	185	50	1.70	54
3109	73	BUIC	CNTY	350	300	0.18	74	1500	0.14	30
3110	73	CADI	DEVI	472	80	3.00	96	30	2.90	48
3111	73	CHEV	VEGA	140	750	2.00	126	2000	9.40	23
3112	73	CHEV	MALI	350	40	0.20	82	100	0.15	40
3113	73	CHEV	NOVA	350	38	0.38	87	60	0.80	32
3114	73	CHEV	IMPA	350	40	0.31	116	60	0.80	48
3115	73	CHEV	IMPA	350	50	0.15	182	170	0.30	72
3116	73	DODG	DART	225	55	0.20	794	80	0.30	83
3117	73	FORD	PINT	122	110	3.40	157	900	0.30	79
3118	73	FORD	TORI	351	90	0.30	177	130	0.20	50
3119	73	FORD	MUST	302	90	0.70	203	160	3.50	83
3120	73	FORD	CUST	351	50	0.30	208	180	7.00	56
3121	73	FORD	LTD	400	80	0.50	496	170	0.90	56
3122	73	MERC	MONT	400	40	0.20	182	230	1.80	48
3123	73	OLDS	CUTL	350	160	0.40	299	180	0.35	62
3124	73	OLDS	CUTL	350	65	1.50	187	70	0.50	92
3125	73	PLYM	SATE	318	60	1.00	319	100	1.00	60
3126	73	PLYM	VALI	225	80	0.20	518	130	0.50	101
3127	73	PONT	CATA	400	60	0.50	106	230	5.80	58

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEH NO.	YR	MAKE	MODL	CID	-- 2250 RPM ---			---- IDLE -----		
					HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
3128	73	PONT	LEMA	350	90	0.50	121	700	0.30	83
3129	73	DATS	510	97	80	0.80	91	230	3.70	37
3130	73	OPEL	STAW	116	180	3.20	136	150	3.10	66
3131	73	TOYO	CORO	97	155	2.60	182	200	1.90	76
3132	73	VOLK	SEDA	97	240	4.40	91	330	8.00	56
3133	73	VOLK	SEDA	97	900	0.40	182	2000	1.80	68
3362	73	BUIC	CNTY	350	450	0.30	80	100	1.30	38
3363	73	BUIC	ELEC	455	65	0.36	141	90	1.40	40
3364	73	CHEV	STAW	400	50	0.20	96	70	0.25	74
3365	73	CHEV	VEGA	140	280	4.00	172	360	6.00	66
3366	73	CHEV	NOVA	250	250	0.20	260	110	0.65	44
3367	73	CHEV	MONT	350	50	0.15	57	75	0.12	37
3368	73	CHEV	MALI	307	30	0.12	86	70	0.81	34
3369	73	CHEV	CAPR	454	60	0.30	106	50	1.20	39
3370	73	CHRY	NEWP	400	140	0.20	339	220	0.30	50
3371	73	DODG	CORO	318	80	0.35	379	320	9.40	42
3372	73	DODG	POLA	360	75	0.45	279	85	0.25	58
3373	73	FORD	PINT	122	300	6.40	82	280	8.30	38
3374	73	FORD	STAW	351	140	0.40	279	250	2.60	66
3375	73	FORD	LTD	400	2000	0.45	218	2000	9.70	28
3376	73	FORD	STAW	460	30	0.15	198	350	1.00	51
3377	73	MERC	COUG	351	90	0.30	339	70	0.20	58
3378	73	OLDS	CUTL	350	50	0.25	157	100	0.50	60
3379	73	OLDS	NNTY	455	40	0.10	205	130	4.20	56
3380	73	PLYM	SATE	318	460	0.80	299	450	0.40	70
3381	73	PONT	FIRE	350	65	0.70	94	245	3.70	60
3382	73	PONT	STAW	455	100	1.10	94	320	7.60	30
3383	73	CAPR	COUP	122	130	3.40	111	210	6.40	66
3384	73	MAZD	SEDA	70	50	0.03	40	80	0.06	26
2134	72	AMC	GREM	258	190	3.40	208	210	3.60	86
2135	72	BUIC	LESA	455	140	0.30	177	1580	7.40	23
2136	72	CADI	DEVI	472	50	0.20	144	65	1.40	30

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
2137	72	CHEV	VEGA	140	8	0.42	92	50	0.22	48
2138	72	CHEV	MONT	350	70	0.20	229	180	0.75	62
2139	72	CHEV	MONT	350	70	1.50	141	120	0.70	58
2140	72	CHEV	NOVA	307	90	0.25	198	240	2.80	67
2141	72	CHEV	IMPA	350	35	0.20	211	60	0.50	72
2142	72	CHEV	CAPR	400	85	0.20	192	420	10.00	14
2143	72	DODG	CORO	318	120	0.30	438	200	1.80	74
2144	72	FORD	PINT	122	40	0.12	152	90	1.90	75
2145	72	FORD	TORI	351	150	0.10	339	180	0.70	70
2146	72	FORD	MAVE	200	80	0.30	299	230	3.30	78
2147	72	FORD	CUST	351	120	0.20	224	180	0.20	82
2148	72	FORD	STAW	400	410	0.20	438	210	7.00	62
2149	72	MERC	MONR	400	80	0.30	399	260	7.20	9
2150	72	OLDS	DELT	350	85	0.90	159	140	1.50	74
2151	72	PLYM	VALI	225	300	9.10	82	200	5.90	62
2152	72	PLYM	STAW	360	150	3.80	177	220	8.20	56
2153	72	PONT	CATA	400	50	0.26	172	200	4.30	60
2154	72	PONT	STAW	350	70	0.50	239	400	8.80	11
2155	72	DATS	1200	85	170	0.25	265	225	0.90	92
2156	72	TOYO	CORO	120	100	1.00	260	240	0.50	177
2157	72	VOLK	SEDA	97	240	4.10	106	500	6.80	66
2158	72	VOLK	STAW	103	170	2.80	109	300	0.80	68
2385	72	BUIC	SKYL	350	90	0.85	211	225	0.85	71
2386	72	BUIC	LESA	350	40	0.25	192	120	1.30	80
2387	72	CHEV	VEGA	140	280	4.40	116	950	10.00	40
2388	72	CHEV	NOVA	250	60	0.20	299	230	4.20	60
2389	72	CHEV	MONT	350	60	2.00	152	160	4.60	62
2390	72	CHEV	IMPA	350	85	3.80	139	325	9.50	45
2391	72	CHEV	STAW	400	50	0.08	121	390	2.00	52
2392	72	CHRY	NEWP	400	60	0.30	399	190	3.00	56
2393	72	DODG	DART	225	85	0.35	96	145	1.60	78
2394	72	FORD	STAW	122	2000	2.80	498	600	7.80	7

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
2395	72	FORD	TORI	302	50	0.30	192	1400	3.50	48
2396	72	FORD	LTD	400	100	0.25	409	205	3.10	62
2397	72	FORD	TORI	351	50	0.80	195	150	4.60	76
2398	72	LINC	CONT	460	70	0.21	329	50	2.20	46
2399	72	MERC	MONG	302	1300	0.70	121	1000	4.80	58
2400	72	OLDS	CUTL	350	75	0.40	234	110	0.50	76
2401	72	OLDS	NNTY	455	25	0.10	224	80	1.20	50
2402	72	PLYM	BARR	318	80	0.20	195	205	3.30	62
2403	72	PONT	GRNV	455	60	0.50	240	100	1.50	47
2404	72	CAPR	COUP	159	75	0.06	189	1600	0.06	41
1159	71	BUIC	RIVI	455	110	3.40	2253	190	5.00	64
1160	71	BUIC	SKYL	350	50	1.00	152	380	7.40	36
1161	71	CHEV	VEGA	140	330	4.20	7	2000	10.00	48
1162	71	CHEV	MALI	350	70	0.50	185	160	0.90	55
1163	71	CHEV	MALI	250	500	0.40	498	760	4.20	70
1164	71	CHEV	IMPA	350	80	0.50	1910	160	2.20	66
1165	71	CHEV	STAW	350	90	1.10	203	335	9.20	54
1166	71	CHRY	NEWY	440	90	0.40	218	600	0.20	38
1167	71	DODG	CORO	318	60	0.20	299	135	1.20	75
1168	71	FORD	PINT	122	360	4.60	101	320	6.00	56
1169	71	FORD	STAW	302	120	0.30	319	250	7.00	66
1170	71	FORD	MAVE	200	380	0.21	389	175	4.60	77
1171	71	FORD	LTD	351	110	0.50	299	1200	0.20	42
1172	71	FORD	LTD	400	30	0.20	224	170	5.40	56
1173	71	MERC	MONR	351	90	0.20	279	180	3.40	64
1174	71	OLDS	STAW	455	45	0.13	218	80	1.00	66
1175	71	PLYM	DUST	225	150	0.90	518	270	4.50	84
1176	71	PONT	GRNV	455	600	0.70	213	1400	5.20	33
1177	71	PONT	LEMA	350	130	2.50	339	440	3.20	76
1178	71	DATS	SEDA	97	405	1.30	177	640	3.70	57
1179	71	TOYO	STAW	97	260	3.80	86	560	7.60	40
1180	71	VOLK	SEDA	97	250	4.60	82	400	8.00	48

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
1405	71	AMC	AMBA	360	90	0.40	339	150	2.30	56
1406	71	BUIC	ELEC	455	80	0.50	162	220	4.20	53
1407	71	CADI	DEVI	472	30	0.30	187	420	8.10	40
1408	71	CHEV	CAMA	307	75	0.30	218	340	5.00	60
1409	71	CHEV	MALI	307	100	0.50	299	160	0.50	64
1410	71	CHEV	MONT	350	110	0.30	169	1560	1.30	70
1411	71	CHEV	CAPR	400	60	0.50	187	120	2.10	60
1412	71	DODG	DART	225	240	4.20	359	720	0.25	84
1413	71	FORD	MAVE	302	2000	0.30	478	440	7.40	67
1414	71	FORD	LTD	351	75	0.70	229	160	6.20	65
1415	71	FORD	LTD	351	1960	0.20	213	2000	5.60	36
1416	71	MERC	MARQ	429	125	0.25	577	580	6.00	62
1417	71	OLDS	CUTL	350	160	0.20	157	360	3.00	52
1418	71	OLDS	CUTL	350	60	0.38	187	180	3.30	56
1419	71	PLYM	DUST	318	190	1.40	239	275	7.40	52
1420	71	PLYM	FRY2	318	90	0.37	205	115	0.25	60
1421	71	PONT	CATA	350	45	0.20	218	200	4.80	60
1422	71	VOLK	SEDA	97	180	5.00	101	300	8.50	63
0181	70	AMC	AMBA	360	70	0.30	341	230	4.00	90
0182	70	BUIC	ELEC	455	150	1.60	208	610	3.60	50
0183	70	CHEV	MONT	350	80	2.00	131	125	3.00	58
0184	70	CHEV	MALI	307	80	0.70	240	280	6.40	52
0185	70	CHEV	MALI	350	250	1.80	177	1400	0.40	211
0186	70	CHEV	IMPA	350	1940	0.40	192	2000	0.90	50
0187	70	CHEV	CAPR	400	140	0.20	172	500	0.40	38
0188	70	DODG	DART	225	200	1.50	538	300	6.40	80
0189	70	FORD	MUST	302	130	1.30	299	200	4.60	66
0190	70	FORD	FAIR	302	130	0.20	172	350	3.80	60
0191	70	FORD	LTD	351	90	0.60	299	440	6.60	36
0192	70	FORD	LTD	351	95	0.80	379	210	8.00	67
0193	70	MERC	COUG	351	90	0.35	438	150	3.10	88
0194	70	OLDS	CUTL	350	33	0.31	174	115	3.80	63

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
0195	70	PLYM	STAW	383	55	0.20	399	250	8.80	46
0196	70	PLYM	DUST	198	250	3.20	341	740	7.70	52
0197	70	PONT	BONN	455	1640	0.08	284	100	0.04	51
0198	70	DATS	510	97	135	0.90	468	130	0.20	99
0199	70	TOYO	SEDA	113	470	2.50	518	300	0.80	245
0200	70	VOLK	SEDA	97	140	0.95	106	240	1.90	60
0423	70	BUIC	LESA	350	175	3.20	152	200	5.00	61
0424	70	BUIC	LESA	350	140	2.60	152	500	9.30	30
0425	70	CADI	DEVI	472	60	0.60	339	140	4.40	80
0426	70	CHEV	NOVA	307	150	0.75	111	330	3.30	30
0427	70	CHEV	IMPA	350	110	2.00	126	240	3.80	58
0428	70	CHEV	IMPA	400	140	2.40	162	550	0.20	48
0429	70	CHRY	NEWP	383	65	0.02	284	195	5.70	61
0430	70	DODG	CORO	318	1000	2.20	299	640	4.30	74
0431	70	FORD	MAVE	200	160	0.80	279	520	6.40	54
0432	70	FORD	MUST	351	1320	0.40	492	920	7.60	47
0433	70	FORD	LTD	390	800	0.40	438	1800	5.10	66
0434	70	OLDS	NNTY	455	40	0.10	213	225	6.20	50
0435	70	PLYM	FRY2	383	50	1.40	379	140	3.20	69
0436	70	PONT	BONN	455	120	0.70	229	600	3.80	52
0437	70	VOLK	SEDA	97	190	0.75	87	780	3.10	38
9438	69	AMC	RAMB	199	2000	1.30	250	2000	0.14	51
9439	69	BUIC	ELEC	430	112	0.30	260	340	4.00	76
9440	69	BUIC	STAW	350	80	1.40	237	120	4.90	80
9441	69	CADI	DEVI	472	120	0.20	299	200	0.40	116
9442	69	CHEV	NOVA	307	140	2.40	141	250	4.20	41
9443	69	CHEV	IMPA	350	100	0.70	172	160	2.30	51
9444	69	CHEV	MALI	307	180	1.30	279	285	7.00	61
9445	69	CHEV	IMPA	327	180	0.50	203	260	3.00	56
9446	69	CHEV	IMPA	327	160	1.00	240	170	2.60	58
9447	69	CHEV	BISC	250	2000	0.50	1217	300	4.50	70
9448	69	CHEV	CAPR	350	150	0.20	167	320	6.40	56

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
9449	69	CHRY	STAW	383	75	0.32	409	110	0.14	36
9450	69	DODG	CORO	318	190	1.80	398	160	1.90	103
9451	69	FORD	FAIR	250	240	0.85	557	340	5.60	70
9452	69	FORD	MUST	302	210	0.65	468	550	8.40	5
9453	69	FORD	TORI	351	110	0.70	309	160	2.70	77
9454	69	FORD	LTD	390	190	0.30	478	150	0.15	62
9455	69	FORD	MUST	302	130	0.70	240	320	3.80	64
9456	69	FORD	STAW	390	75	0.80	538	130	2.80	75
9457	69	MERC	MARQ	429	150	0.35	950	330	5.40	60
9458	69	OLDS	NNTY	455	140	1.20	438	240	5.40	379
9459	69	OLDS	DELT	350	360	1.20	319	240	1.50	60
9460	69	PLYM	STAW	318	280	2.90	339	1120	2.10	52
9461	69	PLYM	VALI	225	240	2.00	260	440	3.60	70
9462	69	PONT	LEMA	350	160	0.20	240	320	4.20	62
9463	69	PONT	CATA	400	150	1.50	319	450	9.60	26
9464	69	PONT	CATA	400	95	0.80	299	200	4.40	72
9465	69	TOYO	CORO	116	460	2.00	1148	360	4.40	86
9466	69	VOLK	TRAN	97	270	3.50	96	640	9.10	23
9467	69	VOLK	TRAN	97	410	1.40	90	430	1.70	78
8468	67	AMC	STAW	199	480	2.60	289	910	10.00	20
8469	67	AMC	STAW	232	150	0.25	468	185	0.30	99
8470	67	AMC	REBE	290	320	4.60	162	920	10.00	23
8471	67	BUIC	LESA	340	220	9.00	114	360	4.40	38
8472	68	BUIC	RIVI	430	70	0.15	245	150	0.13	77
8473	68	BUIC	STAW	350	190	3.10	136	130	4.50	56
8474	66	CADI	FLEE	429	550	4.20	250	510	10.00	125
8475	67	CHEV	IMPA	283	450	3.60	19	1500	10.00	9
8476	67	CHEV	CHEL	283	400	8.60	187	1510	1.00	46
8477	67	CHEV	BELA	283	330	1.40	234	1800	2.00	38
8478	68	CHEV	IMPA	307	320	3.80	131	1200	0.60	56
8479	67	CHEV	CAPR	327	380	5.60	101	910	0.30	37
8480	68	CHEV	IMPA	307	260	1.20	46	660	3.80	52

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
8481	67	CHEV	IMPA	283	410	2.90	229	1080	6.80	30
8482	67	CHEV	MALI	283	260	2.20	208	500	4.60	44
8483	68	CHEV	IMPA	307	500	3.40	129	570	3.30	42
8484	68	CHEV	IMPA	307	250	6.80	192	830	7.40	32
8485	68	CHEV	STAW	327	710	6.60	9	840	10.00	1
8486	68	CHEV	IMPA	327	190	1.70	279	195	2.30	80
8487	68	CHRY	NEWP	383	530	3.30	349	180	2.10	60
8488	66	DODG	DART	225	410	4.20	21	500	7.40	9
8489	68	DODG	CORO	318	95	0.55	260	255	4.60	60
8490	66	DODG	POLA	383	110	0.60	279	650	6.30	41
8491	68	FORD	MUST	200	2000	0.35	438	270	0.85	96
8492	66	FORD	MUST	200	220	1.60	141	800	8.00	0
8493	66	FORD	STAW	289	290	1.00	234	620	9.40	26
8494	68	FORD	LTD	302	110	0.40	419	240	4.40	56
8495	67	FORD	LTD	390	150	0.80	498	850	4.90	58
8496	68	FORD	STAW	390	65	0.35	429	210	4.50	69
8497	66	FORD	MUST	200	225	3.50	247	650	6.00	66
8498	67	FORD	MUST	289	240	7.60	9	480	7.40	9
8499	68	FORD	FAIR	289	120	0.35	794	250	1.35	167
8500	68	FORD	STAW	390	50	1.00	216	195	5.60	64
8501	66	FORD	STAW	428	140	1.20	339	120	1.80	56
8502	67	LINC	CONT	462	138	4.90	196	170	1.90	75
8503	67	MERC	COUG	289	150	1.80	279	180	3.50	76
8504	67	OLDS	DLMN	330	240	1.70	229	580	6.20	48
8505	68	OLDS	NNTY	455	240	4.10	279	275	7.00	58
8506	68	OLDS	CUTL	350	430	9.00	86	360	9.90	40
8507	68	PLYM	STAW	318	150	0.80	136	380	7.20	40
8508	68	PLYM	VIP	318	280	1.50	260	340	7.10	48
8509	68	PLYM	STAW	383	220	5.20	131	310	8.90	40
8510	66	PLYM	VIP	383	50	0.30	299	240	5.40	56
8511	67	PONT	LEMA	326	300	2.20	245	545	2.90	72
8512	66	PONT	BONN	389	2000	2.60	234	2000	5.40	42

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
8513	68	PONT	LEMA	350	100	0.40	399	280	4.50	66
8514	67	PONT	CATA	400	250	1.10	260	600	2.00	96
8515	66	PONT	BONN	389	2000	4.50	121	2000	2.20	50
8516	66	VOLK	TRAN	91	180	2.60	87	370	5.40	46
8517	68	VOLK	TRAN	97	520	0.00	58	2000	7.20	9

APPENDIX L

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6018	76	AMC	STAW	258	40	0.18	303	105	4.70	122
6019	76	BUIC	CNTY	350	10	0.03	265	10	0.01	103
6020	76	BUIC	ELEC	455	22	0.01	147	18	0.01	80
6021	76	CADI	ELDO	500	16	0.01	191	38	0.14	113
6022	76	CHEV	STAW	350	13	0.01	265	11	0.01	142
6023	76	CHEV	MALI	350	30	1.30	100	15	0.03	98
6024	76	CHEV	MONZ	140	60	0.03	110	250	5.00	14
6025	76	CHEV	STAW	400	38	0.02	436	265	3.20	77
6026	76	CHEV	MALI	305	15	0.02	265	15	0.04	132
6027	76	CHEV	NOVA	250	20	0.02	284	130	0.70	71
6028	76	CHEV	CHET	85	10	0.02	701	15	0.02	154
6029	76	DODG	ASPE	318	50	0.02	137	72	0.06	132
6030	76	DODG	ASPE	225	65	0.35	211	175	0.95	145
6031	76	FORD	STAW	140	25	0.01	227	30	0.01	68
6032	76	FORD	LTD	400	65	0.01	172	120	0.01	167
6033	76	FORD	TORI	351	50	0.13	265	650	0.15	64
6034	76	FORD	GRAN	250	20	0.01	84	22	0.01	59
6035	76	FORD	GRAN	302	35	0.01	630	30	0.01	78
6036	76	FORD	GRAN	351	30	0.01	189	50	0.01	227
6037	76	MERC	MONG	400	140	0.02	235	275	0.02	303
6038	76	MERC	MONA	250	20	0.10	221	50	0.10	63
6039	76	OLDS	OMEG	260	60	0.10	172	160	1.00	77
6040	76	OLDS	CUTL	350	70	0.03	159	410	3.20	39
6041	76	OLDS	TORO	455	15	0.01	189	15	0.01	113
6042	76	PLYM	VOLA	225	45	0.06	940	180	1.20	127
6043	76	PLYM	VOLA	318	95	0.02	152	75	0.04	157
6044	76	PONT	LEMA	350	25	0.05	331	35	0.02	137
6045	76	PONT	GRNP	400	25	0.01	360	30	0.01	113
6046	76	DATS	B210	85	75	0.24	265	115	0.55	59
6047	76	DATS	PICK	119	62	0.45	162	90	1.10	57
6048	76	TOYO	CORO	97	30	0.35	88	65	1.20	54
6049	76	TOYO	CELI	133	40	0.14	284	85	0.60	59

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6050	76	VOLK	RABB	97	30	0.00	162	30	0.00	55
6051	76	VOLK	RABB	97	50	0.02	162	15	0.02	93
6201	76	AMC	HORN	304	30	0.01	189	31	0.01	82
6202	76	AMC	STAW	258	55	0.08	227	75	0.08	132
6203	76	AMC	MATA	360	14	0.01	265	15	0.01	100
6204	76	AMC	PACE	232	50	0.30	284	100	0.65	181
6205	76	BUIC	CNTY	231	30	0.11	226	165	3.10	54
6206	76	BUIC	LESA	350	30	0.16	227	15	0.01	83
6207	76	BUIC	CNTY	350	20	0.01	208	15	0.01	122
6208	76	BUIC	ELEC	455	20	0.01	167	15	0.01	98
6209	76	BUIC	CNTY	350	15	0.01	303	13	0.01	246
6210	76	BUIC	CNTY	231	30	0.01	221	90	3.00	341
6211	76	BUIC	SKYL	260	30	0.01	265	25	0.01	132
6212	76	CADI	SEVI	350	40	0.10	172	35	0.10	73
6213	76	CADI	DEVI	500	15	0.02	162	21	0.01	181
6214	76	CADI	ELDO	500	18	0.00	172	47	0.35	55
6215	76	CADI	DEVI	500	20	0.10	132	25	0.10	201
6216	76	CHEV	CHET	85	60	1.00	189	100	2.00	83
6217	76	CHEV	IMPA	350	13	0.01	341	27	0.01	322
6218	76	CHEV	MALI	305	45	0.04	201	210	2.50	110
6219	76	CHEV	MONT	350	40	1.00	167	35	0.20	53
6220	76	CHEV	NOVA	250	80	0.02	322	330	9.10	29
6221	76	CHEV	MONT	350	20	0.60	93	20	0.01	152
6222	76	CHEV	CAMA	305	50	0.02	284	185	1.30	59
6223	76	CHEV	CAPR	400	17	0.01	142	15	0.00	98
6224	76	CHEV	STAW	350	100	2.60	83	230	4.20	25
6225	76	CHEV	IMPA	400	15	0.01	208	15	0.01	127
6226	76	CHEV	MONT	350	15	0.01	176	16	0.01	113
6227	76	CHEV	MONT	350	25	0.30	137	20	0.01	157
6228	76	CHEV	VEGA	140	120	1.20	176	240	4.20	83
6229	76	CHEV	MONZ	262	33	0.01	492	29	0.01	167
6230	76	CHEV	NOVA	350	17	0.00	274	20	0.01	120

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
6231	76	CHEV	MALI	350	18	0.01	235	16	0.01	135
6232	76	CHEV	MALI	350	25	0.01	208	25	0.01	88
6233	76	CHEV	MONT	350	10	0.50	152	120	1.60	78
6234	76	CHEV	CAMA	305	27	0.01	226	23	0.01	122
6235	76	CHEV	STAW	140	140	1.50	127	195	4.15	82
6236	76	CHEV	MONT	350	120	3.80	137	100	1.00	68
6237	76	CHEV	NOVA	250	12	0.00	204	26	0.00	68
6238	76	CHEV	STAW	140	160	3.20	103	200	7.20	54
6239	76	CHEV	NOVA	262	40	0.01	284	25	0.01	98
6240	76	CHRY	CORD	400	17	0.01	682	19	0.01	94
6241	76	CHRY	NEWP	400	20	0.05	176	60	1.65	113
6242	76	DODG	ASPE	360	30	0.10	417	110	3.00	69
6243	76	DODG	CHAR	400	30	0.10	142	120	1.60	68
6244	76	DODG	ASPE	225	28	0.01	379	130	2.70	95
6245	76	DODG	CHAR	360	18	0.01	240	55	0.33	43
6246	76	DODG	DART	318	135	0.02	174	130	0.30	82
6247	76	DODG	DART	225	55	0.02	284	255	2.60	132
6248	76	FORD	LTD	400	52	0.01	186	87	0.01	246
6249	76	FORD	ELIT	351	50	0.12	191	60	0.06	98
6250	76	FORD	MAVE	250	25	0.01	255	60	0.01	44
6251	76	FORD	STAW	460	35	0.10	122	320	2.60	57
6252	76	FORD	STAW	140	30	0.02	135	30	0.02	43
6253	76	FORD	GRAN	250	40	0.01	88	20	0.01	176
6254	76	FORD	GRAN	302	110	0.02	159	70	0.02	284
6255	76	FORD	STAW	140	25	0.01	284	25	0.01	57
6256	76	FORD	ELIT	351	50	0.01	191	120	0.80	122
6257	76	FORD	MUST	171	230	0.10	196	240	0.10	63
6258	76	FORD	GRAN	250	15	0.01	98	16	0.01	100
6259	76	FORD	PINT	140	15	0.01	137	15	0.01	54
6260	76	FORD	STAW	400	35	0.01	176	25	0.01	181
6261	76	FORD	TORI	351	70	0.01	157	40	0.01	98
6262	76	FORD	LTD	400	100	0.01	115	60	0.01	120

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH NO.	YR	MAKE	MODL	CID	-- 2250 RPM --- HC ppm/HEX	CO %	NOx ppm	---- IDLE ----- HC ppm/HEX	CO %	NOx ppm
6263	76	FORD	MUST	171	37	0.04	172	35	0.01	82
6264	76	FORD	LTD	400	75	0.01	186	100	0.01	303
6265	76	FORD	ELIT	351	30	0.08	208	30	0.26	68
6266	76	FORD	GRAN	302	50	0.01	208	70	0.01	360
6267	76	FORD	MUST	140	17	0.00	293	15	0.00	62
6268	76	LINC	MRK4	460	10	0.01	135	20	1.00	66
6269	76	LINC	MRK4	460	190	0.05	95	700	0.70	70
6270	76	MERC	MONA	302	150	0.01	159	190	3.60	39
6271	76	MERC	MARQ	400	20	0.01	145	25	0.01	199
6272	76	MERC	MONA	302	60	0.10	103	40	0.10	92
6273	76	MERC	MONG	400	240	0.05	157	1140	8.80	21
6274	76	MERC	MONA	302	30	0.01	113	20	0.01	93
6275	76	OLDS	CUTL	350	140	0.01	122	460	5.80	42
6276	76	OLDS	CUTL	350	55	0.01	142	20	0.01	78
6277	76	OLDS	OMEG	260	25	0.24	176	20	0.01	152
6278	76	OLDS	CUTL	260	15	0.01	663	15	0.01	68
6279	76	OLDS	NNTY	455	20	0.01	147	20	0.01	83
6280	76	OLDS	CUTL	350	20	0.01	189	20	0.01	83
6281	76	OLDS	STAW	350	10	0.01	152	20	0.14	41
6282	76	OLDS	CUTL	350	30	0.02	464	312	1.52	80
6283	76	OLDS	NNTY	455	15	0.00	216	16	0.00	132
6284	76	PLYM	STAW	318	115	0.03	181	680	9.80	39
6285	76	PLYM	VOLA	318	190	0.04	186	335	4.20	98
6286	76	PLYM	FURY	360	120	0.10	379	120	2.90	71
6287	76	PLYM	STAW	225	80	0.40	284	360	7.80	51
6288	76	PLYM	STAW	318	75	0.60	199	340	5.90	54
6289	76	PLYM	VOLA	225	80	0.20	1066	380	7.20	83
6290	76	PLYM	VOLA	225	37	0.02	1534	210	1.45	142
6291	76	PONT	STAW	140	200	3.30	331	1200	10.00	14
6292	76	PONT	CATA	400	140	2.20	157	510	6.40	23
6293	76	PONT	LEMA	350	22	0.01	436	20	0.01	167
6294	76	PONT	VENT	260	15	0.01	265	20	0.01	152

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH					HC	CO	NOx	HC	CO	NOx
NO.	YR	MAKE	MODL	CID	ppm/HEX	%	ppm	ppm/HEX	%	ppm
6295	76	PONT	BONN	400	20	0.10	127	20	0.10	57
6296	76	PONT	GRNP	350	20	0.10	73	20	0.10	55
6297	76	PONT	LEMA	350	12	0.01	284	12	0.00	191
6298	76	PONT	VENT	250	19	0.01	511	25	0.01	98
6299	76	CAPR	GHIA	140	23	0.02	98	47	0.01	61
6300	76	COLT	SEDA	97	65	1.55	191	135	2.20	88
6301	76	DATS	B210	85	60	0.20	436	120	0.33	86
6302	76	DATS	STAW	119	50	0.01	455	85	0.01	58
6303	76	DATS	B210	85	20	0.02	103	30	0.01	0
6304	76	FIAT	X1/9	79	60	0.55	103	140	2.10	65
6305	76	FIAT	124	107	15	0.32	83	20	0.60	51
6306	76	HOND	CIVI	76	32	0.60	82	80	1.30	55
6307	76	HOND	CIVI	91	40	0.21	127	120	0.50	58
6308	76	MAZD	MIZE	78	65	0.01	426	179	0.75	113
6309	76	TOYO	CELI	133	27	0.35	81	40	0.60	50
6310	76	TOYO	CORO	97	42	2.45	284	62	0.82	51
6311	76	TOYO	CELI	133	40	0.25	63	45	0.13	34
6312	76	TOYO	STAW	97	40	0.40	79	190	0.95	30
6313	76	VOLK	STAW	97	40	0.38	417	110	2.50	108
6314	76	VOLK	RABB	97	40	0.01	80	560	10.00	3
6315	76	VOLK	SEDA	97	110	0.20	436	160	2.40	103
6316	76	VOLV	264G	163	280	0.01	89	250	0.01	21
5052	75	AMC	STAW	258	40	0.23	834	90	0.48	172
5053	75	BUIC	CNTY	350	20	0.12	303	60	1.40	78
5054	75	BUIC	LESA	350	85	2.40	103	100	4.20	78
5055	75	CADI	DEVI	500	100	1.80	474	620	7.40	31
5056	75	CHEV	VEGA	140	60	1.00	341	140	2.40	103
5057	75	CHEV	MONT	350	15	0.02	181	20	0.03	74
5058	75	CHEV	IMPA	350	150	3.00	78	220	2.20	11
5059	75	CHEV	CAPR	400	23	0.01	237	44	0.01	65
5060	75	CHEV	NOVA	250	45	0.01	265	460	4.80	27
5061	75	CHRY	NEWP	400	20	0.01	492	140	4.40	69

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
5062	75	DODG	DART	318	80	0.33	417	215	7.00	77
5063	75	FORD	STAW	140	70	0.10	98	65	0.10	55
5064	75	FORD	STAW	351	25	0.10	122	50	0.20	71
5065	75	FORD	LTD	400	40	0.28	265	185	0.60	75
5066	75	FORD	GRAN	250	25	0.01	103	40	0.01	39
5067	75	FORD	GRAN	302	100	0.50	246	400	3.00	83
5068	75	MERC	MARQ	460	20	0.30	157	25	1.15	57
5069	75	OLDS	CUTL	350	20	0.01	233	40	0.01	71
5070	75	OLDS	DELT	455	40	0.01	142	42	0.01	79
5071	75	PLYM	VALI	225	27	0.01	398	22	0.01	103
5072	75	PLYM	VALI	318	15	0.01	127	22	0.02	86
5073	75	PONT	STAW	400	32	0.33	201	550	2.20	51
5074	75	PONT	CATA	400	70	1.10	235	235	2.45	69
5075	75	DATS	SEDA	85	55	0.28	303	100	0.70	58
5076	75	TOYO	CORO	133	25	0.20	231	30	0.52	59
5077	75	TOYO	CORO	133	15	0.21	145	45	0.89	44
5078	75	VOLK	RABB	90	60	1.10	127	50	0.80	61
5079	75	VOLK	RABB	90	220	0.10	379	20	0.10	61
5317	75	AMC	HORN	304	10	0.02	284	20	0.03	80
5318	75	BUIC	LESA	350	80	2.80	108	35	0.01	88
5319	76	CADI	SEVI	350	20	0.01	167	20	0.01	63
5320	75	CHEV	STAW	140	140	2.30	196	130	2.10	88
5321	75	CHEV	CAMA	350	15	0.01	132	40	0.01	49
5322	75	CHEV	NOVA	262	15	0.01	208	20	0.01	78
5323	75	CHEV	MONT	350	110	1.70	159	160	2.50	38
5324	75	CHEV	MONT	454	20	0.01	176	20	0.01	51
5325	75	DODG	DART	225	145	0.81	350	200	6.80	85
5326	75	FORD	STAW	171	27	0.07	140	45	0.01	84
5327	75	FORD	LTD	400	10	0.14	172	10	0.12	117
5328	75	FORD	TORI	351	45	0.08	176	140	0.08	47
5329	75	LINC	CONT	460	20	0.15	231	38	0.81	68
5330	75	MERC	MONA	302	30	0.02	227	40	0.01	98

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
5331	75	OLDS	OMEG	350	20	0.01	218	65	0.01	53
5332	75	OLDS	DELT	350	30	0.01	208	540	2.40	31
5333	75	PLYM	GRNF	360	19	0.01	379	60	0.80	84
5334	75	PONT	LEMA	250	15	0.01	303	20	0.01	78
5335	75	DATS	710	119	67	0.34	265	85	0.24	98
5336	75	FIAT	124	107	230	5.40	117	1620	10.00	21
5337	75	HOND	CIVI	91	30	0.20	127	140	0.18	68
5338	75	MAZD	COUP	97	25	0.15	79	80	0.74	47
4080	74	AMC	MATA	304	90	0.23	616	150	1.35	127
4081	74	BUIC	ELEC	455	30	0.12	322	60	0.12	132
4082	74	CADI	DEVI	472	160	0.21	117	665	1.15	57
4083	74	CHEV	VEGA	140	140	4.90	191	215	7.30	103
4084	74	CHEV	MONT	350	20	0.55	98	50	1.70	45
4085	74	CHEV	NOVA	250	40	1.50	227	80	0.83	42
4086	74	CHEV	NOVA	350	45	0.15	221	60	0.08	79
4087	74	CHEV	IMPA	350	120	0.25	108	460	0.10	45
4088	74	CHEV	CAPR	400	45	0.20	115	100	0.20	41
4089	74	CHRY	STAW	440	95	2.40	417	125	3.45	68
4090	74	DODG	MONA	360	290	4.90	284	1040	10.00	25
4091	74	FORD	PINT	122	125	4.90	1813	100	1.15	303
4092	74	FORD	MAVE	302	25	0.80	189	100	1.60	83
4093	74	FORD	MAVE	250	90	2.15	246	240	8.80	62
4094	74	FORD	LTD	400	30	0.14	322	140	2.00	98
4095	74	FORD	LTD	351	40	0.45	379	190	4.60	90
4096	74	MERC	COME	302	100	1.00	191	140	0.70	93
4097	74	OLDS	CUTL	350	65	0.60	303	65	0.40	78
4098	74	OLDS	NNTY	455	35	0.34	312	25	0.15	122
4099	74	PLYM	SATE	318	90	1.10	265	135	1.80	86
4100	74	PLYM	DUST	225	320	3.00	644	400	9.60	23
4101	74	PONT	LEMA	350	80	0.18	587	275	4.70	84
4102	74	DATS	STAW	119	35	0.42	98	55	0.68	65
4103	74	TOYO	CORO	97	150	3.00	172	235	3.60	39

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
4104	74	TOYO	CORO	120	90	1.70	284	190	3.00	122
4105	74	VOLK	SEDA	97	80	0.90	398	160	5.40	82
4106	74	VOLK	SEDA	97	70	1.30	201	140	2.60	98
4339	74	AMC	HORN	258	60	0.03	246	160	4.50	78
4340	74	BUIC	REGA	350	30	0.15	132	40	1.05	55
4341	74	BUIC	CNTY	350	20	0.25	130	37	0.35	64
4342	74	CHEV	MALI	350	35	0.32	122	40	1.15	53
4343	74	CHEV	IMPA	350	60	0.31	208	30	0.95	65
4344	74	CHEV	IMPA	350	40	0.24	162	60	1.00	31
4345	74	CHEV	STAW	400	70	1.20	265	260	8.00	61
4346	74	CHEV	VEGA	140	90	0.60	152	240	8.80	64
4347	74	DODG	DART	225	180	1.40	982	330	7.90	71
4348	74	DODG	DART	318	80	0.65	502	150	0.55	90
4349	74	FORD	TORI	351	45	0.55	417	132	5.50	88
4350	74	FORD	LTD	400	60	0.12	284	120	0.20	81
4351	74	FORD	THND	460	130	4.50	147	160	8.00	67
4352	74	FORD	PINT	140	175	4.10	179	230	9.40	61
4353	74	LINC	CONT	460	100	2.10	398	200	8.60	63
4354	74	MERC	MONR	400	105	0.40	284	235	4.80	82
4355	74	OLDS	CUTL	350	80	1.80	265	100	0.80	93
4356	74	PLYM	VALI	318	140	0.80	303	150	3.90	73
4357	74	PONT	BONN	400	180	0.52	147	335	1.53	86
4358	74	PONT	FIRE	350	140	1.60	549	240	1.80	93
4359	74	CAPR	COUP	122	110	1.32	189	145	3.90	52
4360	74	DATS	SEDA	79	140	1.00	303	180	1.60	103
4361	74	MAZD	RX2	70	465	4.20	33	1430	4.35	17
3107	73	AMC	GREM	232	80	0.75	360	330	7.70	46
3108	73	BUIC	RIVI	455	50	0.11	142	110	0.12	59
3109	73	BUIC	CNTY	350	180	0.10	265	60	0.19	80
3110	73	CADI	DEVI	472	120	0.22	331	40	0.35	69
3111	73	CHEV	VEGA	140	55	0.50	240	80	2.00	164
3112	73	CHEV	NOVA	350	35	1.62	140	62	3.20	48

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH NO.	YR	MAKE	MODL	CID	-- 2250 RPM --- HC ppm/HEX	CO %	NOx ppm	---- IDLE ----- HC ppm/HEX	CO %	NOx ppm
3113	73	CHEV	NOVA	350	25	0.17	108	75	0.90	45
3114	73	CHEV	IMPA	350	40	0.25	265	45	0.72	77
3115	73	CHEV	IMPA	350	35	0.36	142	50	0.69	63
3116	73	DODG	DART	225	110	0.40	982	270	6.80	115
3117	73	FORD	STAW	122	190	2.00	221	195	1.70	45
3118	73	FORD	TORI	351	90	1.20	240	170	6.60	65
3119	73	FORD	MAVE	302	75	0.38	341	295	5.25	69
3120	73	FORD	GALA	351	400	2.00	284	200	7.00	88
3121	73	FORD	LTD	400	70	0.26	549	160	3.00	98
3122	73	MERC	MONR	400	40	0.80	265	85	2.30	108
3123	73	OLDS	STAW	455	55	0.53	701	60	0.09	91
3124	73	OLDS	CUTL	350	100	0.50	379	140	0.80	88
3125	73	PLYM	SATE	318	150	1.25	157	285	2.70	80
3126	73	PLYM	DUST	225	125	0.85	606	295	8.50	55
3127	73	PONT	BONN	400	65	0.17	246	425	8.60	45
3128	73	PONT	CATA	350	100	1.20	113	100	1.40	98
3129	73	DATS	PICK	97	40	0.12	208	1500	1.40	93
3130	73	OPEL	MANT	116	80	2.85	147	100	4.50	70
3131	73	TOYO	CARI	97	210	3.50	117	450	9.10	52
3132	73	VOLK	SEDA	103	760	8.00	103	640	5.60	41
3133	73	VOLK	SEDA	97	65	0.22	181	125	0.65	115
3362	73	BUIC	CNTY	350	38	0.25	169	80	0.81	56
3363	73	BUIC	ELEC	455	100	0.28	162	60	0.95	87
3364	73	CHEV	STAW	400	55	0.05	132	50	1.80	39
3365	73	CHEV	STAW	140	160	2.70	235	260	5.20	108
3366	73	CHEV	CAMA	350	250	5.80	137	340	8.60	47
3367	73	CHEV	IMPA	350	35	0.32	303	55	1.40	55
3368	73	CHEV	NOVA	307	70	0.14	162	380	0.11	73
3369	73	CHEV	STAW	454	150	0.39	303	330	4.00	61
3370	73	CHRY	NEWP	400	50	1.00	237	170	4,50	50
3371	73	DODG	CHAR	318	60	0.38	407	150	4.50	87
3372	73	DODG	POLA	360	100	1.20	630	100	2.00	98

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					2250 RPM			IDLE		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
3373	73	FORD	PINT	122	405	10.00	34	160	2.00	69
3374	73	FORD	TORI	351	110	0.90	154	265	5.75	33
3375	73	FORD	LTD	400	75	0.32	417	215	5.40	80
3376	73	FORD	LTD	460	30	0.35	265	110	3.40	80
3377	73	MERC	MONG	302	50	0.10	265	150	1.25	92
3378	73	OLDS	CUTL	350	25	0.15	255	62	1.10	72
3379	73	OLDS	DELT	455	60	0.70	341	95	1.15	77
3380	73	PLYM	SATE	318	60	0.20	246	160	5.40	88
3381	73	PONT	LEMA	350	80	0.50	152	340	7.80	51
3382	73	PONT	BONN	400	40	0.10	117	100	0.40	103
3383	73	CAPR	COUP	122	120	1.35	196	165	3.40	25
3384	73	MAZD	STAW	70	210	0.80	56	690	1.80	23
2134	72	AMC	GREM	258	100	0.63	673	240	3.20	86
2135	72	BUIC	RIVI	455	220	0.25	284	650	0.18	113
2136	72	CADI	DEVI	472	30	0.20	201	160	4.60	31
2137	72	CHEV	STAW	140	40	0.30	117	120	0.90	57
2138	72	CHEV	MALI	350	40	0.60	227	100	3.00	98
2139	72	CHEV	MONT	350	90	1.60	237	260	5.40	71
2140	72	CHEV	NOVA	307	45	0.12	227	240	5.60	63
2141	72	CHEV	IMPA	350	45	1.20	218	140	4.50	94
2142	72	CHEV	IMPA	400	32	0.09	265	165	4.20	82
2143	72	DODG	DART	318	60	0.50	417	65	0.75	127
2144	72	FORD	PINT	122	135	0.18	341	820	4.50	211
2145	72	FORD	STAW	351	40	0.20	284	70	0.20	132
2146	72	FORD	MAVE	200	160	0.80	644	450	7.50	61
2147	72	FORD	LTD	351	70	0.19	455	320	5.20	63
2148	72	FORD	LTD	400	30	0.11	379	110	3.90	90
2149	72	MERC	MONR	400	70	0.25	284	110	2.90	113
2150	72	OLDS	CUTL	350	70	1.30	157	170	3.40	77
2151	72	PLYM	DUST	225	585	2.30	502	540	2.35	81
2152	72	PLYM	FRY3	360	100	1.80	417	240	3.80	108
2153	72	PONT	FIRE	400	55	1.90	179	159	4.20	72

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEH NO.	YR	MAKE	MODL	CID	-- 2250 RPM --- HC ppm/HEX	CO %	NOx ppm	---- IDLE ----- HC ppm/HEX	CO %	NOx ppm
2154	72	PONT	LEMA	350	100	0.12	341	520	6.20	68
2155	72	DATS	STAW	97	80	0.50	227	340	7.20	73
2156	72	TOYO	CORO	120	100	1.80	176	65	0.08	68
2157	72	VOLK	SEDA	97	100	0.29	231	155	4.80	75
2158	72	VOLK	STAW	103	90	2.00	152	800	6.60	51
2385	72	BUIC	SKYL	350	60	0.70	265	200	5.50	73
2386	72	BUIC	STAW	455	25	0.08	246	60	0.37	103
2387	72	CHEV	VEGA	140	35	0.08	140	50	0.75	48
2388	72	CHEV	CHEL	307	60	0.49	226	165	1.75	80
2389	72	CHEV	IMPA	350	95	1.80	388	140	3.30	79
2390	72	CHEV	IMPA	350	85	2.30	246	150	5.35	94
2391	72	CHEV	STAW	400	60	0.20	246	300	0.20	47
2392	72	CHRY	NEWP	400	70	2.20	322	130	3.60	84
2393	72	DODG	DART	225	120	0.60	322	160	3.70	59
2394	72	FORD	PINT	122	50	0.19	237	35	0.09	93
2395	72	FORD	TORI	302	105	1.30	240	200	4.20	84
2396	72	FORD	TORI	351	50	0.65	511	105	3.00	127
2397	72	FORD	LTD	429	70	0.50	246	110	2.60	88
2398	72	LINC	MRK4	460	50	0.25	654	105	2.15	127
2399	72	MERC	MARQ	429	40	0.21	701	35	0.80	147
2400	72	OLDS	CUTL	350	40	0.18	246	85	1.90	82
2401	72	OLDS	ROYA	455	28	0.08	265	75	0.55	88
2402	72	PLYM	DUST	318	120	1.70	194	190	5.70	78
2403	72	PONT	STAW	455	60	0.10	181	120	1.00	69
2404	72	CAPR	COUP	122	120	1.75	237	260	2.30	105
1159	71	BUIC	ELEC	455	60	0.20	379	270	2.15	94
1160	71	BUIC	SKYL	350	125	1.00	322	200	5.90	79
1161	71	CHEV	VEGA	140	120	0.31	191	680	10.00	44
1162	71	CHEV	MALI	350	70	0.97	265	155	2.80	90
1163	71	CHEV	CAMA	307	40	0.30	303	160	2.80	95
1164	71	CHEV	IMPA	350	35	0.80	246	60	0.18	127
1165	71	CHEV	BELA	350	80	0.13	265	280	3.80	67

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
1166	71	CHRY	NEWP	440	80	2.20	265	105	2.70	84
1167	71	DODG	CORO	318	80	0.43	464	250	4.60	65
1168	71	FORD	PINT	122	260	3.40	167	240	6.90	75
1169	71	FORD	TORI	302	70	0.37	360	90	0.28	226
1170	71	FORD	MUST	250	620	0.80	896	340	4.30	117
1171	71	FORD	GALA	351	410	0.42	606	620	0.82	96
1172	71	FORD	LTD	400	50	0.10	162	220	0.10	103
1173	71	MERC	COUG	351	150	0.46	255	540	0.77	105
1174	71	OLDS	NNTY	455	45	0.60	982	100	1.40	78
1175	71	PLYM	VALI	225	60	0.31	654	140	2.05	157
1176	71	PONT	BONN	455	55	1.15	274	345	7.80	41
1177	71	PONT	LEMA	350	40	0.31	407	150	2.30	81
1178	71	DATS	STAW	97	2000	0.35	1423	625	0.15	216
1179	71	TOYO	CORO	71	150	1.10	91	290	3.00	45
1180	71	VOLK	SEDA	97	65	0.72	293	125	2.80	135
1405	71	AMC	AMBA	360	70	0.90	284	120	2.20	108
1406	71	BUIC	STAW	455	35	1.60	233	70	2.20	88
1407	71	CADI	DEVI	472	40	0.60	284	60	1.90	71
1408	71	CHEV	CHEL	350	720	0.19	360	1260	0.30	179
1409	71	CHEV	MALI	307	110	0.60	199	230	3.20	48
1410	71	CHEV	MALI	350	75	0.25	181	200	3.55	65
1411	71	CHEV	IMPA	400	40	0.20	246	240	7.00	59
1412	71	DODG	DART	225	220	2.70	511	390	8.20	63
1413	71	FORD	STAW	302	155	0.55	530	1090	1.60	108
1414	71	FORD	TORI	351	80	0.90	284	350	8.50	65
1415	71	FORD	GALA	351	220	1.10	322	330	9.30	53
1416	71	MERC	STAW	400	40	0.31	322	90	3.30	113
1417	71	OLDS	STAW	350	45	0.38	235	90	1.35	103
1418	71	OLDS	CUTL	350	55	0.79	341	175	3.65	103
1419	71	PLYM	VALI	318	180	2.00	398	220	5.60	82
1420	71	PLYM	FRY3	360	105	1.25	530	145	4.20	98
1421	71	PONT	VENT	307	50	0.23	246	245	7.40	78

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
1422	71	VOLK	SEDA	97	160	3.10	201	390	7.80	69
0181	70	AMC	HORN	232	35	0.13	511	125	4.10	90
0182	70	BUIC	WILD	455	100	1.70	284	160	5.00	82
0183	70	CHEV	NOVA	307	120	3.50	181	320	9.00	53
0184	70	CHEV	MALI	307	65	0.68	360	350	3.80	77
0185	70	CHEV	MALI	350	40	0.16	237	100	1.60	105
0186	70	CHEV	IMPA	350	75	0.52	379	310	4.50	88
0187	70	CHEV	IMPA	400	80	0.15	246	290	3.50	68
0188	70	DODG	CORO	225	175	2.90	255	130	4.00	89
0189	70	FORD	MUST	302	100	1.00	191	160	4.60	67
0190	70	FORD	TORI	302	100	0.40	540	320	1.10	35
0191	70	FORD	GALA	351	120	1.10	284	150	3.20	100
0192	70	FORD	GALA	351	40	0.35	502	32	0.11	145
0193	70	MERC	STAW	390	40	1.40	274	160	6.40	78
0194	70	OLDS	CUTL	350	140	0.28	379	360	0.14	51
0195	70	PLYM	STAW	383	60	0.60	549	140	6.40	76
0196	70	PLYM	DUST	318	2000	0.60	1288	1200	0.35	142
0197	70	PONT	FIRE	350	100	2.80	223	110	1.40	105
0198	70	DATS	510	97	380	0.40	398	115	0.78	58
0199	70	TOYO	CORO	116	260	0.80	360	90	0.30	127
0200	70	VOLK	KARM	97	72	0.26	284	170	7.60	88
0423	70	BUIC	SKYL	350	160	2.80	216	160	4.00	88
0424	70	BUIC	LESA	350	130	3.60	196	225	7.20	45
0425	70	CADI	DEVI	472	300	10.00	67	280	5.40	67
0426	70	CHEV	MALI	307	100	0.65	237	295	8.00	70
0427	70	CHEV	MONT	350	140	2.00	227	700	2.50	93
0428	70	CHEV	IMPA	350	195	2.40	246	290	7.60	80
0429	70	CHRY	NEWP	383	80	0.15	568	320	8.30	62
0430	70	DODG	STAW	318	230	0.23	616	1960	0.56	105
0431	70	FORD	MAVE	200	45	0.18	265	45	0.27	176
0432	70	FORD	STAW	351	100	0.15	303	130	1.20	98
0433	70	FORD	LTD	390	180	2.10	331	750	10.00	18

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
0434	70	OLDS	CUTL	350	100	1.80	227	200	4.80	69
0435	70	PLYM	FRY2	318	220	3.50	147	280	9.40	55
0436	70	PONT	GRNP	400	100	0.15	255	350	7.30	49
0437	70	VOLK	SEDA	97	130	2.40	172	159	6.70	80
9438	69	AMC	AMER	199	220	1.40	398	280	7.20	88
9439	69	BUIC	ELEC	430	220	3.80	174	195	6.90	44
9440	69	BUIC	SKYL	350	60	0.50	474	170	3.80	73
9441	69	CADI	FLEE	472	39	0.42	231	90	5.30	55
9442	69	CHEV	NOVA	307	200	2.10	417	260	5.60	59
9443	69	CHEV	CAPR	350	65	0.32	521	110	0.45	95
9444	69	CHEV	CHEL	307	180	1.50	341	230	3.80	72
9445	69	CHEV	IMPA	327	280	2.00	303	300	6.20	78
9446	69	CHEV	IMPA	350	110	0.70	549	180	4.20	98
9447	69	CHEV	NOVA	230	700	1.20	474	280	6.20	69
9448	69	CHEV	IMPA	350	320	2.45	265	270	6.90	60
9449	69	CHRY	NEWP	383	40	0.20	407	220	1.80	69
9450	69	DODG	CORO	318	340	1.20	1148	330	5.00	93
9451	69	FORD	MUST	200	100	0.50	940	180	6.60	88
9452	69	FORD	GALA	302	160	0.80	322	420	9.40	43
9453	69	FORD	TORI	351	60	0.30	284	250	1.50	86
9454	69	FORD	XL	390	300	1.60	398	260	5.80	57
9455	69	FORD	STAW	302	110	0.40	379	220	2.80	79
9456	69	FORD	STAW	429	270	4.40	341	370	9.00	62
9457	69	MERC	STAW	390	120	1.20	360	280	4.50	65
9458	69	OLDS	NNTY	455	140	2.70	246	130	4.00	49
9459	69	OLDS	CUTL	350	1800	0.80	341	1100	1.40	63
9460	69	PLYM	SATE	318	130	1.60	398	275	5.60	82
9461	69	PLYM	VALI	225	90	0.75	587	180	2.35	103
9462	69	PONT	STAW	350	180	1.40	303	250	7.00	84
9463	69	PONT	BONN	400	220	4.60	194	235	6.20	65
9464	69	PONT	CATA	400	165	1.95	549	400	9.90	55
9465	69	TOYO	CORO	116	1380	3.50	407	259	1.60	95

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
9466	69	VOLK	SEDA	91	105	0.30	196	200	2.60	73
9467	69	VOLK	SEDA	91	160	1.30	191	220	7.80	61
8468	68	AMC	REBE	343	160	0.50	322	180	2.10	98
8469	65	AMC	CLAS	232	340	9.20	103	360	9.40	29
8470	66	AMC	ROGU	290	380	7.60	77	520	10.00	29
8471	67	BUIC	LESA	340	330	7.50	132	750	8.00	23
8472	68	BUIC	ELEC	430	200	2.60	265	220	8.00	83
8473	68	BUIC	SKYL	350	80	0.50	211	300	2.20	61
8474	66	CADI	DEVI	429	110	1.15	174	105	1.12	103
8475	67	CHEV	NOVA	250	540	7.70	149	490	4.45	53
8476	67	CHEV	STAW	283	630	5.90	243	500	2.20	120
8477	67	CHEV	IMPA	283	2000	1.75	474	2000	9.50	33
8478	68	CHEV	IMPA	307	140	1.20	303	320	2.00	67
8479	68	CHEV	IMPA	327	190	5.50	122	240	7.20	65
8480	67	CHEV	STAW	396	320	6.60	122	340	3.70	73
8481	67	CHEV	NOVA	283	390	4.20	265	810	7.00	48
8482	66	CHEV	MALI	283	80	0.38	142	160	1.60	45
8483	68	CHEV	MALI	307	600	4.20	157	380	4.20	68
8484	68	CHEV	CHEL	307	95	0.20	398	115	0.68	52
8485	68	CHEV	CAPR	327	155	2.75	284	330	7.00	59
8486	68	CHEV	STAW	396	800	7.40	108	1100	9.00	59
8487	68	CHRY	NEWP	383	60	0.60	322	170	5.20	57
8488	68	DODG	DART	225	120	3.30	218	265	4.60	75
8489	67	DODG	CORO	318	200	1.80	663	380	5.40	78
8490	68	DODG	POLA	383	80	1.25	350	390	8.00	40
8491	67	FORD	FALC	200	110	0.40	369	195	7.20	88
8492	68	FORD	MUST	289	130	1.10	388	160	4.80	98
8493	68	FORD	FAIR	289	240	3.40	227	1840	1.60	78
8494	68	FORD	CUST	302	80	0.75	179	265	9.50	35
8495	68	FORD	TORI	302	1300	0.80	341	2000	3.20	41
8496	66	FORD	STAW	390	280	4.00	93	280	8.40	58
8497	66	FORD	FALC	200	180	2.30	265	240	4.30	82

APPENDIX L CONT'D

LISTING OF TWO SPEED IDLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					-- 2250 RPM ---			---- IDLE -----		
VEH NO.	YR	MAKE	MODL	CID	HC ppm/HEX	CO %	NOx ppm	HC ppm/HEX	CO %	NOx ppm
8498	68	FORD	MUST	289	100	0.70	492	160	2.20	98
8499	68	FORD	RANC	289	195	1.25	221	255	7.30	58
8500	67	FORD	STAW	390	40	0.41	255	60	1.10	72
8501	68	FORD	THND	429	100	1.00	625	230	2.20	127
8502	65	LINC	CONT	462	560	6.00	127	720	10.00	21
8503	67	MERC	COUG	289	285	2.00	176	495	8.20	39
8504	67	OLDS	CUTL	330	155	1.90	246	135	0.80	100
8505	65	OLDS	NNTY	425	110	2.20	199	350	8.20	49
8506	68	OLDS	CUTL	350	425	2.60	246	1140	5.50	70
8507	68	PLYM	SATE	318	80	0.50	474	320	4.60	83
8508	68	PLYM	FRY3	318	140	1.50	568	320	3.40	93
8509	68	PLYM	FRY3	383	55	1.10	417	200	6.20	54
8510	66	PLYM	SPOR	383	160	2.80	255	420	7.50	64
8511	67	PONT	LEMA	326	130	0.75	568	325	2.85	164
8512	68	PONT	STAW	400	320	3.50	196	510	0.15	43
8513	68	PONT	STAW	350	30	0.22	654	180	4.10	95
8514	68	PONT	CATA	400	120	2.50	237	1250	0.15	157
8515	68	PONT	CATA	400	120	1.60	587	160	2.50	117
8516	68	VOLK	SEDA	91	360	8.40	98	2000	10.00	19
8517	66	VOLK	SEDA	97	200	1.00	284	1650	0.40	113

APPENDIX M - LISTING OF FEDERAL THREE MODE TEST EMISSION RESULTS ON INDIVIDUAL VEHICLES

Legend

VEHICLE NUMBER - Vehicle Number

YEAR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

CID - Engine Displacement in Cubic Inches

TEST MODE - Identifies the mode of the Three Mode Test being listed as shown in the table below

RLHP - Dynamometer load used in test as specified in the table below

HC - Exhaust Hydrocarbon concentration in PPM Hexane

CO - Exhaust Carbon Monoxide Concentration in mole per cent

NOx - Exhaust Oxides of Nitrogen Concentration in PPM

Federal Three Mode Test Procedure Conditions

Vehicle Class (lbs)	Transmission Range/Gear	Mode High Speed Speed @ Act Hp	Mode Low Speed Speed @ Act Hp	Mode Idle
Up to 2500	Drive/3rd	50 @ 21	30 @ 9	Auto. Trans in Neutral and Drive
2501 to 3500	Drive/High	50 @ 26	30 @ 12	
3501 to 4500	Drive/High	50 @ 31	30 @ 15	Manual Trans in Neutral
above 4500	Drive/High	50 @ 36	30 @ 18	

APPENDIX M

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
7001	1976	CHEV	C10	350	HI SPEED	31.0	36	0.01	1796
					LO SPEED	15.0	51	0.02	635
					IDLE DR				
					IDLE NEU		380	6.00	44
7002	1976	CHEV	VAN	350	HI SPEED	31.0	41	0.02	1385
					LO SPEED	15.0	40	0.02	511
					IDLE DR		43	0.02	172
					IDLE NEU		67	0.02	67
7003	1976	CHEV	C10	350	HI SPEED	31.0	60	0.01	1878
					LO SPEED	15.0	45	0.01	701
					IDLE DR				
					IDLE NEU		37	0.02	59
7004	1976	CHEV	C10	350	HI SPEED	31.0	35	0.01	1728
					LO SPEED	15.0	35	0.01	735
					IDLE DR		35	0.01	213
					IDLE NEU		35	0.01	66
7005	1976	DODG	VAN	318	HI SPEED	26.0	35	0.01	1682
					LO SPEED	12.0	35	0.01	3228
					IDLE DR		180	4.20	111
					IDLE NEU		155	3.90	82
7006	1976	DODG	VAN	225	HI SPEED	26.0	45	0.60	777
					LO SPEED	12.0	40	0.30	379
					IDLE DR		18	0.01	511
					IDLE NEU		15	0.01	122
7007	1976	FORD	F100	302	HI SPEED	31.0	45	0.04	1066
					LO SPEED	15.0	40	0.02	758
					IDLE DR		35	0.02	117
					IDLE NEU		30	0.01	61
7008	1976	FORD	F100	360	HI SPEED	31.0	70	0.15	1076
					LO SPEED	15.0	90	0.30	1123
					IDLE DR		85	0.20	774
					IDLE NEU		70	0.15	58

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
7009	1976	FORD	F100	360	HI SPEED	31.0	55	0.26	940
					LO SPEED	15.0	60	0.18	246
					IDLE DR		90	0.16	196
					IDLE NEU		65	0.12	77
7010	1976	FORD	COUR	110	HI SPEED	21.0	50	1.00	765
					LO SPEED	9.0	70	0.08	265
					IDLE DR				
					IDLE NEU		85	0.07	43
7011	1975	CHEV	C10	350	HI SPEED	31.0	31	0.17	1288
					LO SPEED	15.0	43	0.01	663
					IDLE DR		110	0.48	186
					IDLE NEU		57	0.41	71
7012	1975	CHEV	G10	350	HI SPEED	31.0	75	0.01	528
					LO SPEED	15.0	55	0.01	448
					IDLE DR		57	0.01	47
					IDLE NEU		60	0.01	28
7013	1975	CHEV	VAN	350	HI SPEED	31.0	70	0.10	1076
					LO SPEED	15.0	70	0.10	359
					IDLE DR		60	0.10	126
					IDLE NEU		70	0.10	46
7014	1975	DODG	B100	318	HI SPEED	31.0	50	0.20	980
					LO SPEED	15.0	60	0.20	2045
					IDLE DR		80	0.20	131
					IDLE NEU		60	0.20	78
7015	1975	FORD	F100	302	HI SPEED	31.0	40	0.08	666
					LO SPEED	15.0	45	0.02	409
					IDLE DR		50	0.00	96
					IDLE NEU		55	0.00	44
7016	1975	FORD	F100	302	HI SPEED	31.0	47	0.07	1423
					LO SPEED	15.0	38	0.01	758
					IDLE DR				
					IDLE NEU		30	0.01	63

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
7017	1975	FORD	F100	360	HI SPEED	31.0	39	0.09	521
					LO SPEED	15.0	41	1.05	157
					IDLE DR		40	4.09	122
					IDLE NEU		37	4.00	71
6018	1976	AMC	HORN	258	HI SPEED	26.0	45	0.07	2446
					LO SPEED	12.0	65	0.11	250
					IDLE DR		88	0.40	247
					IDLE NEU		65	0.30	95
6019	1976	BUIC	REGA	350	HI SPEED	31.0	20	0.01	788
					LO SPEED	15.0	23	0.01	597
					IDLE DR		22	0.01	146
					IDLE NEU		21	0.01	60
6020	1976	BUIC	STAW	455	HI SPEED	36.0	55	0.90	1264
					LO SPEED	18.0	110	1.50	399
					IDLE DR		45	0.10	56
					IDLE NEU		45	0.10	72
6021	1976	CADI	DEVI	500	HI SPEED	36.0	36	0.01	1052
					LO SPEED	18.0	35	0.01	478
					IDLE DR		31	0.01	419
					IDLE NEU		37	0.01	94
6022	1976	CHEV	IMPA	350	HI SPEED	31.0	33	0.01	1774
					LO SPEED	15.0	32	0.01	617
					IDLE DR		30	0.01	774
					IDLE NEU		32	0.01	121
6023	1976	CHEV	MONT	350	HI SPEED	31.0	26	0.01	1194
					LO SPEED	15.0	22	0.01	359
					IDLE DR		21	0.01	299
					IDLE NEU		22	0.01	82
6024	1976	CHEV	VEGA	140	HI SPEED	26.0	35	0.02	2836
					LO SPEED	12.0	55	0.50	1335
					IDLE DR		230	6.80	61
					IDLE NEU		180	6.20	44

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6025	1976	CHEV	STAW	400	HI SPEED	36.0	50	0.06	2446
					LO SPEED	18.0	55	0.07	1264
					IDLE DR		420	9.90	21
					IDLE NEU		620	9.40	13
6026	1976	CHEV	MALI	305	HI SPEED	31.0	43	0.01	2089
					LO SPEED	15.0	35	0.01	1004
					IDLE DR		315	6.80	74
					IDLE NEU		340	5.40	45
6027	1976	CHEV	CAMA	250	HI SPEED	26.0	40	0.00	676
					LO SPEED	12.0	40	0.00	538
					IDLE DR		400	9.00	36
					IDLE NEU		420	8.60	22
6028	1976	CHEV	CHET	85	HI SPEED	21.0	70	0.01	1636
					LO SPEED	9.0	65	0.01	2000
					IDLE DR				
					IDLE NEU		690	10.00	9
6029	1976	DODG	DART	318	HI SPEED	26.0	63	0.02	1498
					LO SPEED	12.0	71	0.01	663
					IDLE DR		230	1.50	226
					IDLE NEU		285	1.70	88
6030	1976	DODG	DART	225	HI SPEED	26.0	60	0.15	1288
					LO SPEED	12.0	55	0.02	1028
					IDLE DR		43	0.02	121
					IDLE NEU		55	0.02	52
6031	1976	FORD	MUST	140	HI SPEED	26.0	55	0.00	2089
					LO SPEED	12.0	70	0.00	833
					IDLE DR		45	0.00	60
					IDLE NEU		35	0.00	42
6032	1976	FORD	LTD	400	HI SPEED	31.0	83	0.02	852
					LO SPEED	15.0	62	0.01	597
					IDLE DR		390	9.40	24
					IDLE NEU		780	8.60	23

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6033	1976	FORD	ELIT	351	HI SPEED	31.0	45	0.22	794
					LO SPEED	15.0	55	0.12	745
					IDLE DR		40	0.04	192
					IDLE NEU		65	0.05	68
6034	1976	FORD	MAVE	250	HI SPEED	26.0	35	0.20	980
					LO SPEED	12.0	25	0.10	419
					IDLE DR		20	0.05	203
					IDLE NEU		25	0.05	134
6035	1976	FORD	GRAN	302	HI SPEED	26.0	90	0.10	2022
					LO SPEED	12.0	95	0.03	1705
					IDLE DR		75	1.60	30
					IDLE NEU		50	0.02	40
6036	1976	FORD	STAW	351	HI SPEED	31.0	55	0.02	1024
					LO SPEED	15.0	55	0.02	853
					IDLE DR		50	0.01	152
					IDLE NEU		55	0.01	69
6037	1976	MERC	MARQ	400	HI SPEED	36.0	60	0.10	931
					LO SPEED	18.0	70	0.10	557
					IDLE DR		75	0.10	478
					IDLE NEU		170	0.10	146
6038	1976	MERC	MONA	250	HI SPEED	26.0	48	0.02	758
					LO SPEED	12.0	55	0.02	341
					IDLE DR		50	0.01	265
					IDLE NEU		55	0.01	59
6039	1976	OLDS	CUTL	260	HI SPEED	31.0	30	0.03	1288
					LO SPEED	15.0	25	0.03	715
					IDLE DR		20	0.02	198
					IDLE NEU		20	0.02	68
6040	1976	OLDS	CUTL	350	HI SPEED	31.0	80	0.80	508
					LO SPEED	15.0	40	0.01	458
					IDLE DR		110	0.40	48
					IDLE NEU		30	0.01	19

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6041	1976	OLDS	NNTY	455	HI SPEED	36.0	50	0.01	429
					LO SPEED	18.0	50	0.01	538
					IDLE DR		47	0.01	81
					IDLE NEU		45	0.01	28
6042	1976	PLYM	VALI	225	HI SPEED	26.0	55	0.01	1774
					LO SPEED	12.0	110	0.50	745
					IDLE DR		55	0.01	339
					IDLE NEU		50	0.01	111
6043	1976	PLYM	FURY	318	HI SPEED	31.0	140	0.03	4426
					LO SPEED	15.0	170	0.03	2267
					IDLE DR		830	6.60	46
					IDLE NEU		840	5.80	38
6044	1976	PONT	GRNP	350	HI SPEED	31.0	30	0.01	1123
					LO SPEED	15.0	30	0.01	577
					IDLE DR		25	0.01	279
					IDLE NEU		30	0.01	82
6045	1976	PONT	TRAN	400	HI SPEED	31.0	55	0.01	1268
					LO SPEED	15.0	50	0.01	2192
					IDLE DR		220	4.00	55
					IDLE NEU		310	3.50	45
6046	1976	DATS	B210	85	HI SPEED	21.0	150	0.17	2000
					LO SPEED	9.0	85	0.15	399
					IDLE DR				
					IDLE NEU		240	0.32	38
6047	1976	DATS	710	119	HI SPEED	21.0	80	0.40	1746
					LO SPEED	9.0	100	0.50	1268
					IDLE DR		215	1.80	265
					IDLE NEU		115	0.70	132
6048	1976	TOYO	CORO	97	HI SPEED	21.0	90	0.15	2311
					LO SPEED	9.0	65	0.45	1004
					IDLE DR				
					IDLE NEU		54	0.60	47

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6049	1976	TOYO	STAW	133	HI SPEED	26.0	55	0.14	1878
					LO SPEED	12.0	77	0.24	1711
					IDLE DR				
					IDLE NEU		44	0.38	43
6050	1976	VOLK	RABB	97	HI SPEED	21.0	54	0.02	1327
					LO SPEED	9.0	50	0.02	1128
					IDLE DR				
					IDLE NEU		41	0.01	78
6051	1976	VOLK	RABB	97	HI SPEED	21.0	60	0.04	1311
					LO SPEED	9.0	55	0.01	1028
					IDLE DR				
					IDLE NEU		310	0.01	66
6201	1976	AMC	STAW	304	HI SPEED	31.0	52	0.00	587
					LO SPEED	15.0	61	0.01	625
					IDLE DR		45	0.15	23
					IDLE NEU		45	0.01	52
6202	1976	AMC	PACE	258	HI SPEED	26.0	45	0.06	1123
					LO SPEED	12.0	95	0.18	1819
					IDLE DR		80	0.05	136
					IDLE NEU		75	0.06	78
6203	1976	AMC	MATA	304	HI SPEED	31.0	45	0.01	1311
					LO SPEED	15.0	50	0.00	1842
					IDLE DR		40	0.00	72
					IDLE NEU		37	0.00	58
6204	1976	AMC	GREM	232	HI SPEED	26.0	72	0.10	2836
					LO SPEED	12.0	100	0.22	1977
					IDLE DR		152	1.80	164
					IDLE NEU		130	1.70	81
6205	1976	BUIC	CNTY	231	HI SPEED	31.0	37	0.02	1590
					LO SPEED	15.0	40	0.02	980
					IDLE DR		40	0.02	498
					IDLE NEU		40	0.02	106

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	TEST CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6206	1976	BUIC	LESA	350	HI SPEED	31.0	35	0.01	911
					LO SPEED	15.0	40	0.01	843
					IDLE DR		35	0.01	172
					IDLE NEU		35	0.01	72
6207	1976	BUIC	CNTY	350	HI SPEED	31.0	30	0.01	1028
					LO SPEED	15.0	35	0.15	319
					IDLE DR		30	0.01	299
					IDLE NEU		30	0.01	94
6208	1976	BUIC	ELEC	455	HI SPEED	36.0	20	0.01	1498
					LO SPEED	18.0	25	0.01	577
					IDLE DR		20	0.01	131
					IDLE NEU		20	0.01	66
6209	1976	BUIC	REGA	350	HI SPEED	31.0	34	0.01	1189
					LO SPEED	15.0	35	0.01	663
					IDLE DR		35	0.01	211
					IDLE NEU		37	0.01	73
6210	1976	BUIC	SKYH	231	HI SPEED	26.0	20	0.10	1728
					LO SPEED	12.0	30	0.10	872
					IDLE DR		25	0.10	538
					IDLE NEU		25	0.10	91
6211	1976	BUIC	SKYL	260	HI SPEED	31.0	31	0.00	911
					LO SPEED	15.0	33	0.00	794
					IDLE DR		27	0.00	607
					IDLE NEU		29	0.00	83
6212	1976	CADI	SEVI	350	HI SPEED	31.0	45	0.10	735
					LO SPEED	15.0	40	0.10	399
					IDLE DR		35	0.10	111
					IDLE NEU		35	0.10	58
6213	1976	CADI	DEVI	500	HI SPEED	36.0	71	0.00	931
					LO SPEED	18.0	66	0.00	695
					IDLE DR		375	5.40	99
					IDLE NEU		450	5.20	43

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6214	1976	CADI	DEVI	500	HI SPEED	36.0	51	0.01	862
					LO SPEED	18.0	51	0.02	862
					IDLE DR		49	0.02	530
					IDLE NEU		48	0.02	120
6215	1976	CADI	DEVI	500	HI SPEED	36.0	56	0.00	982
					LO SPEED	18.0	57	0.00	284
					IDLE DR		210	1.20	135
					IDLE NEU		310	1.10	39
6216	1976	CHEV	CHET	85	HI SPEED	21.0	45	0.10	2004
					LO SPEED	9.0	40	0.10	1973
					IDLE DR				
					IDLE NEU		230	5.00	55
6217	1976	CHEV	IMPA	350	HI SPEED	31.0	60	0.10	1451
					LO SPEED	15.0	50	0.10	438
					IDLE DR		70	0.10	379
					IDLE NEU		50	0.10	96
6218	1976	CHEV	MONT	305	HI SPEED	31.0	30	0.01	2223
					LO SPEED	15.0	30	0.01	1358
					IDLE DR		320	7.80	38
					IDLE NEU		430	6.80	24
6219	1976	CHEV	IMPA	350	HI SPEED	31.0	70	0.10	1590
					LO SPEED	15.0	170	2.00	379
					IDLE DR		290	4.20	44
					IDLE NEU		300	4.00	21
6220	1976	CHEV	NOVA	250	HI SPEED	26.0	30	0.02	438
					LO SPEED	12.0	38	0.02	104
					IDLE DR		30	0.02	319
					IDLE NEU		40	0.02	58
6221	1976	CHEV	IMPA	350	HI SPEED	31.0	55	0.10	2836
					LO SPEED	15.0	130	1.60	1217
					IDLE DR		580	6.00	34
					IDLE NEU		910	4.40	30

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6222	1976	CHEV	VETT	350	HI SPEED	26.0	50	0.02	2446
					LO SPEED	12.0	170	1.90	617
					IDLE DR		275	4.40	89
					IDLE NEU		280	4.10	48
6223	1976	CHEV	STAW	400	HI SPEED	36.0	37	0.01	2530
					LO SPEED	18.0	35	0.01	1268
					IDLE DR		28	0.01	303
					IDLE NEU		27	0.01	80
6224	1976	CHEV	MONT	350	HI SPEED	31.0	40	0.10	1498
					LO SPEED	15.0	40	0.10	498
					IDLE DR		100	0.50	208
					IDLE NEU		130	1.00	72
6225	1976	CHEV	CAPR	400	HI SPEED	31.0	50	0.01	2267
					LO SPEED	15.0	135	1.40	715
					IDLE DR		235	1.45	172
					IDLE NEU		175	0.90	72
6226	1976	CHEV	CAPR	350	HI SPEED	31.0	30	0.01	2192
					LO SPEED	15.0	28	0.01	739
					IDLE DR		25	0.01	777
					IDLE NEU		23	0.01	142
6227	1976	CHEV	MALI	350	HI SPEED	31.0	190	3.00	1004
					LO SPEED	15.0	195	2.70	279
					IDLE DR		490	8.80	14
					IDLE NEU		475	7.20	12
6228	1976	CHEV	VEGA	140	HI SPEED	26.0	60	0.02	2000
					LO SPEED	12.0	170	1.80	715
					IDLE DR				
					IDLE NEU		1100	10.00	9
6229	1976	CHEV	MONZ	262	HI SPEED	26.0	100	0.03	2361
					LO SPEED	12.0	94	0.00	1694
					IDLE DR		440	9.60	36
					IDLE NEU		500	8.80	31

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6230	1976	CHEV	MONT	350	HI SPEED	31.0	27	0.01	1385
					LO SPEED	15.0	27	0.01	492
					IDLE DR		25	0.00	625
					IDLE NEU		25	0.01	127
6231	1976	CHEV	MALI	350	HI SPEED	31.0	37	0.01	1460
					LO SPEED	15.0	35	0.01	644
					IDLE DR		32	0.01	720
					IDLE NEU		30	0.01	142
6232	1976	CHEV	MALI	350	HI SPEED	31.0	40	0.10	2698
					LO SPEED	15.0	40	0.10	1066
					IDLE DR		360	7.20	51
					IDLE NEU		390	6.40	37
6233	1976	CHEV	MALI	350	HI SPEED	31.0	35	0.01	2223
					LO SPEED	15.0	30	0.01	695
					IDLE DR		30	0.01	96
					IDLE NEU		30	0.01	88
6234	1976	CHEV	NOVA	305	HI SPEED	26.0	110	1.20	1405
					LO SPEED	12.0	50	0.01	754
					IDLE DR		95	1.30	339
					IDLE NEU		160	1.10	67
6235	1976	CHEV	STAW	140	HI SPEED	26.0	35	0.10	1544
					LO SPEED	12.0	40	0.10	636
					IDLE DR		110	0.80	152
					IDLE NEU		40	0.10	116
6236	1976	CHEV	MONT	350	HI SPEED	31.0	60	0.10	1774
					LO SPEED	15.0	55	0.10	498
					IDLE DR		55	0.10	577
					IDLE NEU		50	0.10	106
6237	1976	CHEV	MALI	250	HI SPEED	31.0	40	0.01	2446
					LO SPEED	15.0	40	0.01	1028
					IDLE DR		340	5.80	66
					IDLE NEU		280	4.80	42

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6238	1976	CHEV	VEGA	140	HI SPEED	21.0	50	0.12	1076
					LO SPEED	9.0	50	0.10	379
					IDLE DR		70	0.10	182
					IDLE NEU		80	0.10	74
6239	1976	CHEV	NOVA	250	HI SPEED	26.0	30	0.00	626
					LO SPEED	12.0	35	0.00	1405
					IDLE DR		230	3.60	139
					IDLE NEU		220	2.40	52
6240	1976	CHRY	NEWP	400	HI SPEED	31.0	25	0.00	3228
					LO SPEED	15.0	27	0.00	2089
					IDLE DR		16	3.30	96
					IDLE NEU		16	3.10	74
6241	1976	CHRY	NEWP	400	HI SPEED	36.0	30	0.03	1571
					LO SPEED	18.0	35	0.01	1460
					IDLE DR		35	0.01	117
					IDLE NEU		33	0.01	71
6242	1976	DODG	CHAR	360	HI SPEED	31.0	50	0.10	1682
					LO SPEED	15.0	50	0.10	2134
					IDLE DR		190	5.20	60
					IDLE NEU		210	6.00	50
6243	1976	DODG	STAW	318	HI SPEED	31.0	65	0.03	3204
					LO SPEED	15.0	62	0.03	2530
					IDLE DR		65	0.10	246
					IDLE NEU		120	0.11	108
6244	1976	DODG	DART	225	HI SPEED	26.0	135	1.50	1217
					LO SPEED	12.0	120	0.40	885
					IDLE DR				
					IDLE NEU		280	3.60	46
6245	1976	DODG	MONA	360	HI SPEED	31.0	40	0.01	2178
					LO SPEED	15.0	40	0.01	2045
					IDLE DR		35	0.01	121
					IDLE NEU		35	0.01	74

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6246	1976	DODG	CORO	318	HI SPEED	31.0	52	0.00	1045
					LO SPEED	15.0	58	0.00	426
					IDLE DR		290	2.45	130
					IDLE NEU		305	1.70	55
6247	1976	DODG	ASPE	225	HI SPEED	26.0	36	0.00	1606
					LO SPEED	12.0	41	0.00	1169
					IDLE DR		134	0.90	159
					IDLE NEU		110	0.40	59
6248	1976	FORD	STAW	400	HI SPEED	36.0	21	0.08	95
					LO SPEED	18.0	26	0.00	96
					IDLE DR		27	0.00	95
					IDLE NEU		25	0.00	95
6249	1976	FORD	ELIT	351	HI SPEED	31.0	103	0.14	1028
					LO SPEED	15.0	92	0.13	872
					IDLE DR		86	0.14	139
					IDLE NEU		140	0.11	48
6250	1976	FORD	GRAN	200	HI SPEED	26.0	84	0.00	1217
					LO SPEED	12.0	80	0.01	567
					IDLE DR				
					IDLE NEU		116	0.01	48
6251	1976	FORD	LTD	351	HI SPEED	31.0	60	0.04	853
					LO SPEED	15.0	70	0.02	758
					IDLE DR		75	0.02	142
					IDLE NEU		140	0.02	65
6252	1976	FORD	STAW	140	HI SPEED	26.0	70	0.10	2836
					LO SPEED	12.0	70	0.16	2267
					IDLE DR				
					IDLE NEU		50	0.10	38
6253	1976	FORD	GRAN	250	HI SPEED	26.0	50	0.02	764
					LO SPEED	12.0	51	0.01	159
					IDLE DR		35	0.00	369
					IDLE NEU		50	0.00	58

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6254	1976	FORD	GRAN	302	HI SPEED	26.0	110	0.10	980
					LO SPEED	12.0	110	0.10	813
					IDLE DR		75	0.10	121
					IDLE NEU		70	0.10	101
6255	1976	FORD	MUST	140	HI SPEED	26.0	54	0.04	1567
					LO SPEED	12.0	67	0.01	862
					IDLE DR		54	0.00	64
					IDLE NEU		50	0.00	45
6256	1976	FORD	STAW	351	HI SPEED	31.0	45	0.10	774
					LO SPEED	15.0	40	0.10	597
					IDLE DR		30	0.10	557
					IDLE NEU		80	0.10	157
6257	1976	FORD	MUST	171	HI SPEED	26.0	85	0.20	1682
					LO SPEED	12.0	70	0.10	932
					IDLE DR		180	2.20	131
					IDLE NEU		150	1.10	58
6258	1976	FORD	GRAN	250	HI SPEED	26.0	55	0.01	1123
					LO SPEED	12.0	60	0.01	399
					IDLE DR		50	0.01	676
					IDLE NEU		55	0.01	78
6259	1976	FORD	PINT	140	HI SPEED	21.0	45	0.10	892
					LO SPEED	9.0	50	0.10	498
					IDLE DR				
					IDLE NEU		45	0.10	34
6260	1976	FORD	STAW	400	HI SPEED	36.0	25	0.10	950
					LO SPEED	18.0	30	0.10	794
					IDLE DR		25	0.10	498
					IDLE NEU		60	0.10	146
6261	1976	FORD	ELIT	351	HI SPEED	31.0	85	0.08	1264
					LO SPEED	15.0	85	0.05	1217
					IDLE DR		75	0.10	229
					IDLE NEU		60	0.15	78

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6262	1976	FORD	TEND	460	HI SPEED	36.0	47	0.00	918
					LO SPEED	18.0	50	0.00	853
					IDLE DR		50	0.00	720
					IDLE NEU		84	0.00	157
6263	1976	FORD	MUST	171	HI SPEED	26.0	105	0.15	1498
					LO SPEED	12.0	85	0.01	568
					IDLE DR		63	0.00	103
					IDLE NEU		60	0.00	81
6264	1976	FORD	STAW	400	HI SPEED	36.0	50	0.05	774
					LO SPEED	18.0	50	0.01	636
					IDLE DR		180	1.90	195
					IDLE NEU		200	1.00	64
6265	1976	FORD	STAW	351	HI SPEED	31.0	60	0.00	1148
					LO SPEED	15.0	46	0.00	875
					IDLE DR		37	0.00	63
					IDLE NEU		430	6.40	57
6266	1976	FORD	GRAN	302	HI SPEED	26.0	80	0.10	1170
					LO SPEED	12.0	85	0.10	695
					IDLE DR		110	0.10	438
					IDLE NEU		120	0.10	182
6267	1976	FORD	MUST	140	HI SPEED	26.0	35	0.10	872
					LO SPEED	12.0	40	0.10	319
					IDLE DR		50	0.10	60
					IDLE NEU		50	0.10	44
6268	1976	LINC	MRK4	460	HI SPEED	36.0	110	0.03	237
					LO SPEED	18.0	105	0.00	289
					IDLE DR		310	4.00	157
					IDLE NEU		310	8.80	55
6269	1976	LINC	CONT	460	HI SPEED	36.0	34	0.01	705
					LO SPEED	18.0	33	0.00	725
					IDLE DR		30	0.00	154
					IDLE NEU		33	0.00	56

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6270	1976	MERC	COUG	351	HI SPEED	31.0	70	0.11	931
					LO SPEED	15.0	65	0.04	882
					IDLE DR		64	0.50	121
					IDLE NEU		53	0.30	54
6271	1976	MERC	MARQ	400	HI SPEED	31.0	45	0.10	980
					LO SPEED	15.0	40	0.10	833
					IDLE DR		270	5.80	121
					IDLE NEU		1300	3.40	46
6272	1976	MERC	MONT	351	HI SPEED	31.0	65	0.06	767
					LO SPEED	15.0	70	0.01	786
					IDLE DR		620	9.00	19
					IDLE NEU		270	3.80	23
6273	1976	MERC	MARQ	400	HI SPEED	31.0	60	0.00	921
					LO SPEED	15.0	60	0.00	597
					IDLE DR		43	0.00	28
					IDLE NEU		30	0.00	28
6274	1976	MERC	MONA	302	HI SPEED	26.0	80	0.04	823
					LO SPEED	12.0	70	0.01	419
					IDLE DR		55	0.01	50
					IDLE NEU		43	0.01	44
6275	1976	OLDS	DELT	350	HI SPEED	31.0	45	0.14	284
					LO SPEED	15.0	46	0.00	417
					IDLE DR		350	5.00	20
					IDLE NEU		450	4.50	10
6276	1976	OLDS	CUTL	350	HI SPEED	31.0	50	0.35	152
					LO SPEED	15.0	50	0.10	339
					IDLE DR		340	4.60	42
					IDLE NEU		430	3.80	24
6277	1976	OLDS	OMEG	260	HI SPEED	26.0	47	0.00	980
					LO SPEED	12.0	46	0.00	1123
					IDLE DR		46	0.00	794
					IDLE NEU		44	0.00	164

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6278	1976	OLDS	CUTL	260	HI SPEED	31.0	60	0.03	2836
					LO SPEED	15.0	60	0.03	1864
					IDLE DR		375	10.00	12
					IDLE NEU		700	9.60	4
6279	1976	OLDS	DELT	455	HI SPEED	31.0	13	0.01	1217
					LO SPEED	15.0	13	0.01	518
					IDLE DR		265	3.80	45
					IDLE NEU		340	3.60	36
6280	1976	OLDS	CUTL	350	HI SPEED	31.0	65	0.10	1590
					LO SPEED	15.0	60	0.10	2836
					IDLE DR		480	8.60	23
					IDLE NEU		1380	7.00	19
6281	1976	OLDS	CUTL	350	HI SPEED	31.0	50	0.10	1217
					LO SPEED	15.0	30	0.10	617
					IDLE DR		1100	10.00	13
					IDLE NEU		1660	9.60	7
6282	1976	OLDS	CUTL	350	HI SPEED	31.0	45	0.10	833
					LO SPEED	15.0	40	0.10	458
					IDLE DR		280	1.90	239
					IDLE NEU		280	1.40	46
6283	1976	OLDS	NNTY	455	HI SPEED	36.0	35	0.00	528
					LO SPEED	18.0	30	0.00	289
					IDLE DR		250	3.00	71
					IDLE NEU		400	2.70	33
6284	1976	PLYM	STAW	318	HI SPEED	31.0	60	0.10	1123
					LO SPEED	15.0	80	0.10	498
					IDLE DR		330	3.20	111
					IDLE NEU		350	2.80	54
6285	1976	PLYM	FURY	318	HI SPEED	31.0	85	0.00	1045
					LO SPEED	15.0	90	0.00	511
					IDLE DR		425	5.70	77
					IDLE NEU		500	4.90	59

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6286	1976	PLYM	STAW	360	HI SPEED	31.0	40	0.10	1878
					LO SPEED	15.0	40	0.10	1779
					IDLE DR		190	5.40	67
					IDLE NEU		200	6.00	53
6287	1976	PLYM	VALI	225	HI SPEED	26.0	60	0.01	1405
					LO SPEED	12.0	80	0.01	1170
					IDLE DR				
					IDLE NEU		460	9.30	30
6288	1976	PLYM	STAW	318	HI SPEED	31.0	93	0.02	1606
					LO SPEED	15.0	126	0.02	644
					IDLE DR		520	7.20	50
					IDLE NEU		720	5.80	38
6289	1976	PLYM	STAW	225	HI SPEED	31.0	105	0.01	2530
					LO SPEED	15.0	110	0.01	1460
					IDLE DR				
					IDLE NEU		600	4.60	53
6290	1976	PLYM	VOLA	225	HI SPEED	26.0	90	0.50	1052
					LO SPEED	12.0	210	1.50	813
					IDLE DR		375	8.50	64
					IDLE NEU		470	8.60	43
6291	1976	PONT	ASTR	140	HI SPEED	21.0	153	2.60	1024
					LO SPEED	9.0	100	0.55	398
					IDLE DR				
					IDLE NEU		300	9.90	15
6292	1976	PONT	BONN	400	HI SPEED	31.0	85	0.01	2192
					LO SPEED	15.0	70	0.02	843
					IDLE DR		250	3.50	63
					IDLE NEU		460	4.20	30
6293	1976	PONT	GRNP	350	HI SPEED	31.0	60	0.10	1405
					LO SPEED	15.0	70	0.10	980
					IDLE DR		360	6.40	70
					IDLE NEU		520	6.20	38

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6294	1976	PONT	LEMA	260	HI SPEED	31.0	42	0.00	1862
					LO SPEED	15.0	37	0.01	1189
					IDLE DR		31	0.01	426
					IDLE NEU		34	0.01	100
6295	1976	PONT	BONN	400	HI SPEED	31.0	25	0.01	1779
					LO SPEED	15.0	25	0.01	682
					IDLE DR		25	0.01	211
					IDLE NEU		25	0.01	98
6296	1976	PONT	FIRE	350	HI SPEED	31.0	60	1.30	940
					LO SPEED	15.0	180	1.50	587
					IDLE DR		55	0.01	815
					IDLE NEU		40	0.01	152
6297	1976	PONT	GRNP	350	HI SPEED	31.0	50	0.10	1728
					LO SPEED	15.0	50	0.10	1028
					IDLE DR		60	0.10	299
					IDLE NEU		70	0.10	101
6298	1976	PONT	VENT	250	HI SPEED	26.0	19	0.00	1076
					LO SPEED	12.0	20	0.00	399
					IDLE DR		20	0.00	597
					IDLE NEU		19	0.00	134
6299	1976	CAPR	SEDA	140	HI SPEED	26.0	92	0.13	1460
					LO SPEED	12.0	103	0.16	1189
					IDLE DR				
					IDLE NEU		65	0.60	49
6300	1976	COLT	STAW	98	HI SPEED	21.0	115	0.32	4216
					LO SPEED	9.0	150	0.26	3036
					IDLE DR		430	2.90	127
					IDLE NEU		325	3.20	84
6301	1976	DATS	B210	85	HI SPEED	21.0	70	0.12	1636
					LO SPEED	9.0	130	0.25	1288
					IDLE DR		180	1.40	71
					IDLE NEU		120	0.55	38

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6302	1976	DATS	SEDA	119	HI SPEED	21.0	140	0.70	2192
					LO SPEED	9.0	80	0.38	644
					IDLE DR				
					IDLE NEU		100	1.10	51
6303	1976	DATS	B210	85	HI SPEED	21.0	140	0.20	3032
					LO SPEED	9.0	140	0.30	676
					IDLE DR				
					IDLE NEU		160	0.80	44
6304	1976	FIAT	SEDA	79	HI SPEED	21.0	110	0.60	4722
					LO SPEED	9.0	90	0.90	940
					IDLE DR				
					IDLE NEU		115	0.80	29
6305	1976	FIAT	SEDA	107	HI SPEED	21.0	58	0.70	1846
					LO SPEED	9.0	56	0.70	982
					IDLE DR		125	1.20	135
					IDLE NEU		93	0.60	75
6306	1976	HOND	CIVI	76	HI SPEED	21.0	110	0.90	3036
					LO SPEED	9.0	100	0.90	796
					IDLE DR				
					IDLE NEU		110	2.10	45
6307	1976	HOND	CIVI	91	HI SPEED	21.0	50	0.16	1288
					LO SPEED	9.0	45	0.25	1498
					IDLE DR				
					IDLE NEU		47	0.22	67
6308	1976	MAZD	STAW	97	HI SPEED	21.0	85	0.01	2530
					LO SPEED	9.0	80	0.01	1534
					IDLE DR				
					IDLE NEU		195	2.90	92
6309	1976	TOYO	CELI	133	HI SPEED	26.0	95	1.20	3036
					LO SPEED	12.0	70	4.00	1711
					IDLE DR				
					IDLE NEU		65	0.08	59

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6310	1976	TOYO	STAW	97	HI SPEED	21.0	183	0.20	2783
					LO SPEED	9.0	160	0.70	1128
					IDLE DR				
					IDLE NEU		164	0.25	49
6311	1976	TOYO	CELI	133	HI SPEED	26.0	57	0.20	2067
					LO SPEED	12.0	108	0.90	1590
					IDLE DR				
					IDLE NEU		33	0.19	37
6312	1976	TOYO	CORO	97	HI SPEED	21.0	120	0.16	2445
					LO SPEED	9.0	115	0.55	1249
					IDLE DR				
					IDLE NEU		70	0.60	52
6313	1976	VOLK	SCIR	97	HI SPEED	21.0	49	0.03	1498
					LO SPEED	9.0	44	0.02	1189
					IDLE DR				
					IDLE NEU		36	0.02	71
6314	1976	VOLK	RABB	97	HI SPEED	21.0	45	0.02	1677
					LO SPEED	9.0	49	0.01	1066
					IDLE DR		44	0.01	130
					IDLE NEU		41	0.01	82
6315	1976	VOLK	DASH	97	HI SPEED	21.0	181	0.95	1942
					LO SPEED	9.0	190	0.33	1385
					IDLE DR		180	2.90	108
					IDLE NEU		160	2.30	86
6316	1976	VOLV	STAW	130	HI SPEED	26.0	50	4.10	1189
					LO SPEED	12.0	50	0.07	530
					IDLE DR		50	0.08	68
					IDLE NEU		50	0.08	61
5052	1975	AMC	HORN	258	HI SPEED	26.0	50	0.13	557
					LO SPEED	12.0	105	0.21	1636
					IDLE DR		130	0.26	192
					IDLE NEU		90	0.33	92

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5053	1975	BUIC	REGA	350	HI SPEED	31.0	60	0.50	1864
					LO SPEED	15.0	70	0.50	597
					IDLE DR		80	0.60	157
					IDLE NEU		90	0.80	56
5054	1975	BUIC	RIVI	455	HI SPEED	36.0	60	0.10	1405
					LO SPEED	18.0	70	0.50	26
					IDLE DR		110	1.90	88
					IDLE NEU		90	1.60	50
5055	1975	CADI	DEVI	500	HI SPEED	36.0	40	0.01	547
					LO SPEED	18.0	50	0.85	279
					IDLE DR		175	1.50	231
					IDLE NEU		265	1.70	52
5056	1975	CHEV	STAW	140	HI SPEED	26.0	50	0.20	1123
					LO SPEED	12.0	60	0.20	1819
					IDLE DR				
					IDLE NEU		380	5.00	52
5057	1975	CHEV	MALI	350	HI SPEED	31.0	50	0.05	2089
					LO SPEED	15.0	55	0.50	547
					IDLE DR		210	1.20	141
					IDLE NEU		180	1.10	43
5058	1975	CHEV	IMPA	350	HI SPEED	31.0	40	0.07	1028
					LO SPEED	15.0	30	0.05	319
					IDLE DR		25	0.05	83
					IDLE NEU		25	0.05	50
5059	1975	CHEV	STAW	400	HI SPEED	36.0	40	0.01	1170
					LO SPEED	18.0	45	0.01	478
					IDLE DR		35	0.01	58
					IDLE NEU		42	0.01	30
5060	1975	CHEV	NOVA	250	HI SPEED	26.0	40	0.50	666
					LO SPEED	12.0	40	0.50	218
					IDLE DR		40	0.05	636
					IDLE NEU		40	0.05	88

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5061	1975	CHRY	CORD	360	HI SPEED	31.0	40	0.20	1636
					LO SPEED	15.0	35	0.05	1028
					IDLE DR		95	3.90	68
					IDLE NEU		80	4.20	56
5062	1975	DODG	CHAR	318	HI SPEED	31.0	70	3.20	279
					LO SPEED	15.0	45	0.40	597
					IDLE DR		50	1.00	82
					IDLE NEU		45	0.42	60
5063	1975	FORD	MUST	140	HI SPEED	26.0	35	0.15	1170
					LO SPEED	12.0	45	0.30	399
					IDLE DR				
					IDLE NEU		35	1.10	40
5064	1975	FORD	LTD	351	HI SPEED	31.0	50	0.20	1358
					LO SPEED	15.0	50	0.20	379
					IDLE DR		70	0.20	78
					IDLE NEU		240	0.20	36
5065	1975	FORD	LTD	400	HI SPEED	31.0	35	0.06	626
					LO SPEED	15.0	45	0.05	195
					IDLE DR		70	0.35	180
					IDLE NEU		110	0.16	76
5066	1975	FORD	GRAN	250	HI SPEED	26.0	38	0.01	2134
					LO SPEED	12.0	35	0.05	885
					IDLE DR		35	0.05	167
					IDLE NEU		35	0.03	78
5067	1975	FORD	GRAN	302	HI SPEED	26.0	60	0.07	528
					LO SPEED	12.0	75	0.05	1405
					IDLE DR		55	0.03	70
					IDLE NEU		45	0.03	44
5068	1975	MERC	COUG	351	HI SPEED	31.0	80	0.20	980
					LO SPEED	15.0	90	0.20	379
					IDLE DR		340	2.70	121
					IDLE NEU		440	2.50	62

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5069	1975	OLDS	CUTL	350	HI SPEED	31.0	40	0.05	794
					LO SPEED	15.0	50	0.03	498
					IDLE DR		250	1.20	96
					IDLE NEU		320	1.50	28
5070	1975	OLDS	NNTY	455	HI SPEED	36.0	65	0.05	379
					LO SPEED	18.0	70	0.05	379
					IDLE DR		250	3.00	34
					IDLE NEU		300	2.90	26
5071	1975	PLYM	VALI	225	HI SPEED	26.0	70	0.10	931
					LO SPEED	12.0	60	0.10	636
					IDLE DR		230	5.80	78
					IDLE NEU		180	6.20	60
5072	1975	PLYM	STAW	400	HI SPEED	36.0	40	0.20	1123
					LO SPEED	18.0	45	0.20	1217
					IDLE DR		40	0.20	74
					IDLE NEU		40	0.20	48
5073	1975	PONT	GRNP	455	HI SPEED	31.0	140	3.40	617
					LO SPEED	15.0	180	2.60	101
					IDLE DR		390	7.20	28
					IDLE NEU		380	7.10	42
5074	1975	PONT	LEMA	350	HI SPEED	31.0	25	0.02	794
					LO SPEED	15.0	40	0.05	617
					IDLE DR		150	2.40	73
					IDLE NEU		140	2.50	44
5075	1975	DATS	SEDA	85	HI SPEED	21.0	140	0.20	2543
					LO SPEED	9.0	90	0.16	498
					IDLE DR				
					IDLE NEU		80	0.50	63
5076	1975	TOYO	STAW	133	HI SPEED	26.0	80	0.15	2223
					LO SPEED	12.0	150	0.80	1170
					IDLE DR				
					IDLE NEU		80	0.70	36

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5077	1975	TOYO	CORO	97	HI SPEED	21.0	110	0.39	1910
					LO SPEED	9.0	100	0.50	813
					IDLE DR				
					IDLE NEU		50	0.38	35
5078	1975	VOLK	SEDA	97	HI SPEED	21.0	140	0.55	1123
					LO SPEED	9.0	175	0.50	1028
					IDLE DR				
					IDLE NEU		160	1.05	72
5079	1975	VOLK	RABB	90	HI SPEED	21.0	70	0.10	1358
					LO SPEED	9.0	65	0.10	695
					IDLE DR				
					IDLE NEU		60	0.10	50
5317	1975	AMC	MATA	304	HI SPEED	31.0	50	0.20	2641
					LO SPEED	15.0	65	0.20	1728
					IDLE DR		60	0.20	80
					IDLE NEU		55	0.20	62
5318	1975	BUIC	SKYH	231	HI SPEED	26.0	40	0.20	2000
					LO SPEED	12.0	40	0.20	1123
					IDLE DR		140	1.70	319
					IDLE NEU		70	1.30	62
5319	1975	CADI	DEVI	500	HI SPEED	36.0	115	1.50	448
					LO SPEED	18.0	155	2.00	458
					IDLE DR		260	3.80	106
					IDLE NEU		350	3.80	41
5320	1975	CHEV	VEGA	140	HI SPEED	21.0	120	2.30	478
					LO SPEED	9.0	130	2.00	213
					IDLE DR		170	1.40	177
					IDLE NEU		90	0.70	43
5321	1975	CHEV	CAPR	350	HI SPEED	31.0	20	0.05	1217
					LO SPEED	15.0	20	0.05	379
					IDLE DR		15	0.05	192
					IDLE NEU		20	0.05	70

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5322	1975	CHEV	NOVA	262	HI SPEED	26.0	20	0.01	557
					LO SPEED	12.0	20	0.01	213
					IDLE DR		25	0.01	299
					IDLE NEU		35	0.01	58
5323	1975	CHEV	MONT	350	HI SPEED	31.0	35	0.05	1544
					LO SPEED	15.0	30	0.02	478
					IDLE DR		28	0.01	518
					IDLE NEU		27	0.01	96
5324	1975	CHEV	CAPR	400	HI SPEED	31.0	30	0.10	695
					LO SPEED	15.0	30	0.10	359
					IDLE DR		30	0.10	234
					IDLE NEU		30	0.10	58
5325	1975	DODG	DART	225	HI SPEED	26.0	45	0.04	843
					LO SPEED	12.0	75	0.70	518
					IDLE DR		280	7.00	70
					IDLE NEU		240	6.60	61
5326	1975	FORD	STA[illegible]	171	HI SPEED	26.0	20	0.09	636
					LO SPEED	12.0	25	0.07	213
					IDLE DR		20	0.03	146
					IDLE NEU		20	0.03	88
5327	1975	FORD	LTD	400	HI SPEED	31.0	80	0.25	1311
					LO SPEED	15.0	60	0.20	260
					IDLE DR		180	0.20	90
					IDLE NEU		640	0.20	36
5328	1975	FORD	STAW	351	HI SPEED	31.0	60	0.09	2836
					LO SPEED	15.0	80	0.10	813
					IDLE DR		180	0.06	126
					IDLE NEU		580	0.10	36
5329	1975	LINC	CONT	460	HI SPEED	36.0	35	0.15	813
					LO SPEED	18.0	40	0.20	211
					IDLE DR		65	1.60	53
					IDLE NEU		50	1.10	46

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5330	1975	MERC	MONG	351	HI SPEED	31.0	100	0.50	1728
					LO SPEED	15.0	100	0.65	695
					IDLE DR		120	2.00	26
					IDLE NEU		90	1.50	28
5331	1975	OLDS	OMEG	260	HI SPEED	31.0	35	0.01	2934
					LO SPEED	15.0	30	0.02	1932
					IDLE DR		30	0.01	458
					IDLE NEU		30	0.01	99
5332	1975	OLDS	DELT	350	HI SPEED	31.0	93	1.20	508
					LO SPEED	15.0	40	0.06	399
					IDLE DR		195	1.40	149
					IDLE NEU		170	1.40	44
5333	1975	PLYM	FRY3	360	HI SPEED	31.0	25	0.01	3032
					LO SPEED	15.0	30	0.01	1335
					IDLE DR		70	0.90	90
					IDLE NEU		65	1.10	57
5334	1975	PONT	LEMA	350	HI SPEED	31.0	40	0.05	1264
					LO SPEED	15.0	40	0.03	1170
					IDLE DR		40	0.10	221
					IDLE NEU		50	0.50	74
5335	1975	DATS	B210	85	HI SPEED	21.0	85	0.32	1636
					LO SPEED	9.0	130	0.12	1170
					IDLE DR		280	1.40	74
					IDLE NEU		240	0.90	38
5336	1975	FIAT	SEDA	79	HI SPEED	21.0	110	0.50	2311
					LO SPEED	9.0	150	0.50	1123
					IDLE DR				
					IDLE NEU		170	0.11	61
5337	1975	HOND	CIVI	91	HI SPEED	21.0	60	0.23	2156
					LO SPEED	9.0	50	0.30	1170
					IDLE DR				
					IDLE NEU		350	0.35	63

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5338	1975	MAZD	RX4	80	HI SPEED	26.0	143	1.20	511
					LO SPEED	12.0	140	2.10	303
					IDLE DR				
					IDLE NEU		415	3.40	18
4080	1974	AMC	STAW	304	HI SPEED	31.0	120	0.40	1498
					LO SPEED	15.0	110	0.25	557
					IDLE DR		180	1.80	64
					IDLE NEU		120	1.20	46
4081	1974	BUIC	ELEC	455	HI SPEED	36.0	110	0.30	1170
					LO SPEED	18.0	150	0.20	319
					IDLE DR		160	2.20	58
					IDLE NEU		140	2.00	42
4082	1974	CADI	DEVI	472	HI SPEED	36.0	100	0.80	208
					LO SPEED	18.0	160	1.60	146
					IDLE DR		300	1.30	91
					IDLE NEU		180	0.80	62
4083	1974	CHEV	VEGA	140	HI SPEED	21.0	100	0.35	1028
					LO SPEED	9.0	250	1.30	1358
					IDLE DR		220	0.50	577
					IDLE NEU		130	0.60	141
4084	1974	CHEV	MALI	350	HI SPEED	31.0	340	2.20	931
					LO SPEED	15.0	100	0.50	319
					IDLE DR		160	0.24	49
					IDLE NEU		80	0.70	30
4085	1974	CHEV	NOVA	250	HI SPEED	26.0	300	0.14	1451
					LO SPEED	12.0	320	0.16	379
					IDLE DR		410	2.80	109
					IDLE NEU		320	3.40	66
4086	1974	CHEV	NOVA	350	HI SPEED	26.0	80	1.00	1217
					LO SPEED	12.0	155	2.80	250
					IDLE DR		140	3.50	46
					IDLE NEU		40	1.40	36

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4087	1974	CHEV	IMPA	350	HI SPEED	31.0	60	0.50	911
					LO SPEED	15.0	110	0.30	419
					IDLE DR		150	0.30	144
					IDLE NEU		90	0.25	58
4088	1974	CHEV	STAW	400	HI SPEED	36.0	60	0.75	813
					LO SPEED	18.0	180	1.20	399
					IDLE DR		230	2.40	66
					IDLE NEU		190	2.80	50
4089	1974	CHRY	NEWP	400	HI SPEED	31.0	165	0.80	3426
					LO SPEED	15.0	135	0.20	2067
					IDLE DR		240	5.00	68
					IDLE NEU		220	5.80	51
4090	1974	DODG	CHAR	318	HI SPEED	31.0	200	0.20	3228
					LO SPEED	15.0	260	0.20	2641
					IDLE DR		320	5.40	84
					IDLE NEU		260	5.00	64
4091	1974	FORD	PINT	122	HI SPEED	21.0	100	0.20	2446
					LO SPEED	9.0	140	0.20	1123
					IDLE DR				
					IDLE NEU		1480	0.30	32
4092	1974	FORD	TORI	302	HI SPEED	31.0	150	0.20	3823
					LO SPEED	15.0	130	0.20	1405
					IDLE DR		350	3.80	96
					IDLE NEU		370	3.20	60
4093	1974	FORD	MAVE	250	HI SPEED	26.0	140	1.00	3032
					LO SPEED	12.0	100	0.70	813
					IDLE DR		285	4.20	78
					IDLE NEU		250	3.20	66
4094	1974	FORD	STAW	400	HI SPEED	36.0	40	0.08	646
					LO SPEED	18.0	45	0.10	279
					IDLE DR		200	1.20	339
					IDLE NEU		110	1.80	106

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4095	1974	FORD	LTD	351	HI SPEED	31.0	140	0.20	1123
					LO SPEED	15.0	100	0.05	1521
					IDLE DR		90	0.05	260
					IDLE NEU		60	0.05	86
4096	1974	MERC	MONG	351	HI SPEED	31.0	160	0.90	3032
					LO SPEED	15.0	140	0.20	1796
					IDLE DR		110	0.50	146
					IDLE NEU		70	0.50	64
4097	1974	OLDS	CUTL	350	HI SPEED	31.0	440	0.50	1358
					LO SPEED	15.0	140	0.80	774
					IDLE DR		120	0.40	106
					IDLE NEU		120	0.90	62
4098	1974	OLDS	NNTY	455	HI SPEED	36.0	40	0.12	1358
					LO SPEED	18.0	120	0.11	1728
					IDLE DR		100	0.55	86
					IDLE NEU		80	0.70	66
4099	1974	PLYM	STAW	318	HI SPEED	31.0	75	0.25	1521
					LO SPEED	15.0	120	0.32	1028
					IDLE DR		125	0.80	96
					IDLE NEU		105	0.60	66
4100	1974	PLYM	DUST	225	HI SPEED	26.0	170	1.70	2112
					LO SPEED	12.0	200	1.00	1910
					IDLE DR				
					IDLE NEU		120	1.10	129
4101	1974	PONT	GRNV	455	HI SPEED	36.0	100	0.20	4024
					LO SPEED	18.0	160	0.20	2836
					IDLE DR		180	0.20	82
					IDLE NEU		500	0.20	50
4102	1974	DATS	STAW	119	HI SPEED	21.0	70	0.20	1887
					LO SPEED	9.0	70	0.23	892
					IDLE DR				
					IDLE NEU		70	0.72	42

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4103	1974	TOYO	CORO	97	HI SPEED	21.0	135	0.30	3823
					LO SPEED	9.0	140	0.60	1311
					IDLE DR				
					IDLE NEU		220	1.40	84
4104	1974	TOYO	CORO	120	HI SPEED	21.0	130	0.70	1728
					LO SPEED	9.0	120	0.30	1099
					IDLE DR				
					IDLE NEU		460	8.00	53
4105	1974	VOLK	SEDA	97	HI SPEED	21.0	160	0.30	3032
					LO SPEED	9.0	200	0.20	2245
					IDLE DR				
					IDLE NEU		320	1.80	68
4106	1974	VOLK	SEDA	97	HI SPEED	21.0	130	0.40	2641
					LO SPEED	9.0	180	0.55	2089
					IDLE DR				
					IDLE NEU		230	6.20	68
4339	1974	AMC	GREM	258	HI SPEED	26.0	60	0.30	1864
					LO SPEED	12.0	170	1.50	940
					IDLE DR		310	7.30	54
					IDLE NEU		270	6.70	48
4340	1974	BUIC	CNTY	350	HI SPEED	31.0	40	0.14	1170
					LO SPEED	15.0	100	0.50	419
					IDLE DR		80	3.50	48
					IDLE NEU		70	2.00	38
4341	1974	BUIC	ELEC	455	HI SPEED	36.0	30	1.20	299
					LO SPEED	18.0	25	0.20	419
					IDLE DR		160	1.20	146
					IDLE NEU		120	1.00	82
4342	1974	CHEV	MALI	350	HI SPEED	31.0	30	0.18	1123
					LO SPEED	15.0	40	0.30	458
					IDLE DR		70	0.10	78
					IDLE NEU		50	0.10	38

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4343	1974	CHEV	MALI	350	HI SPEED	31.0	1900	0.70	617
					LO SPEED	15.0	1700	0.20	279
					IDLE DR		1700	0.50	152
					IDLE NEU		1500	0.30	40
4344	1974	CHEV	IMPA	350	HI SPEED	31.0	30	0.65	656
					LO SPEED	15.0	36	0.18	359
					IDLE DR		175	1.10	86
					IDLE NEU		85	0.55	49
4345	1974	CHEV	CAPR	400	HI SPEED	31.0	50	0.30	1682
					LO SPEED	15.0	100	0.50	1123
					IDLE DR		100	0.70	136
					IDLE NEU		70	0.10	56
4346	1974	CHEV	VEGA	140	HI SPEED	21.0	280	1.00	1428
					LO SPEED	9.0	375	1.90	2446
					IDLE DR				
					IDLE NEU		1800	8.70	44
4347	1974	DODG	DART	225	HI SPEED	26.0	165	0.30	3032
					LO SPEED	12.0	120	0.03	2022
					IDLE DR		130	1.20	279
					IDLE NEU		60	1.00	114
4348	1974	DODG	DART	318	HI SPEED	26.0	160	0.35	1819
					LO SPEED	12.0	250	0.40	2836
					IDLE DR		280	5.40	77
					IDLE NEU		260	5.30	58
4349	1974	FORD	TORI	351	HI SPEED	31.0	200	0.55	2089
					LO SPEED	15.0	250	0.35	3327
					IDLE DR		400	6.00	59
					IDLE NEU		340	5.60	44
4350	1974	FORD	LTD	400	HI SPEED	31.0	100	0.70	2836
					LO SPEED	15.0	80	0.25	794
					IDLE DR		210	2.30	131
					IDLE NEU		170	2.20	68

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4351	1974	FORD	THND	460	HI SPEED	36.0	140	1.80	2089
					LO SPEED	18.0	170	1.50	617
					IDLE DR		190	1.80	76
					IDLE NEU		150	2.40	50
4352	1974	FORD	MAVE	250	HI SPEED	26.0	170	0.80	2089
					LO SPEED	12.0	140	1.30	695
					IDLE DR		250	5.10	85
					IDLE NEU		170	5.00	1728
4353	1974	LINC	MRK4	460	HI SPEED	36.0	190	2.30	1819
					LO SPEED	18.0	140	1.30	892
					IDLE DR		270	8.30	8
					IDLE NEU		245	8.70	9
4354	1974	MERC	COME	302	HI SPEED	26.0	200	2.30	567
					LO SPEED	12.0	140	1.50	270
					IDLE DR		340	5.00	29
					IDLE NEU		210	4.40	23
4355	1974	OLDS	CUTL	350	HI SPEED	31.0	90	0.30	1217
					LO SPEED	15.0	180	0.30	932
					IDLE DR		280	6.80	66
					IDLE NEU		290	6.10	54
4356	1974	PLYM	FRY1	360	HI SPEED	31.0	170	0.80	2089
					LO SPEED	15.0	175	0.40	2641
					IDLE DR		280	8.00	52
					IDLE NEU		300	8.20	41
4357	1974	PONT	BONN	400	HI SPEED	31.0	65	0.20	1311
					LO SPEED	15.0	100	0.20	794
					IDLE DR		300	4.00	76
					IDLE NEU		330	4.90	54
4358	1974	PONT	VENT	350	HI SPEED	26.0	35	0.18	498
					LO SPEED	12.0	75	0.20	203
					IDLE DR		240	3.90	76
					IDLE NEU		255	4.00	58

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION. RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4359	1974	CAPR	SEDA	122	HI SPEED	21.0	90	0.15	2089
					LO SPEED	9.0	195	0.17	2112
					IDLE DR		250	3.40	87
					IDLE NEU		200	3.00	70
4360	1974	DATS	SEDA	79	HI SPEED	21.0	115	0.15	2543
					LO SPEED	9.0	300	0.30	2738
					IDLE DR		390	4.10	106
					IDLE NEU		320	5.00	76
4361	1974	MAZD	RX3	70	HI SPEED	21.0	340	2.60	438
					LO SPEED	9.0	540	3.80	80
					IDLE DR		620	2.00	5
					IDLE NEU		780	1.80	5
3107	1973	AMC	GREM	232	HI SPEED	26.0	42	0.14	956
					LO SPEED	12.0	60	0.12	607
					IDLE DR				
					IDLE NEU		145	2.30	71
3108	1973	BUIC	RIVI	455	HI SPEED	31.0	25	0.22	980
					LO SPEED	15.0	35	0.60	518
					IDLE DR		65	2.50	60
					IDLE NEU		55	1.80	50
3109	1973	BUIC	CNTY	350	HI SPEED	31.0	150	0.13	1099
					LO SPEED	15.0	160	0.12	496
					IDLE DR		1000	0.20	58
					IDLE NEU		2000	0.16	32
3110	1973	CADI	DEVI	472	HI SPEED	36.0	50	1.70	932
					LO SPEED	18.0	70	3.80	399
					IDLE DR		100	5.80	56
					IDLE NEU		30	2.40	46
3111	1973	CHEV	VEGA	140	HI SPEED	21.0	300	0.20	3624
					LO SPEED	9.0	380	0.40	1544
					IDLE DR				
					IDLE NEU		2000	9.40	26

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3112	1973	CHEV	MALI	350	HI SPEED	31.0	70	0.30	1052
					LO SPEED	15.0	120	0.50	299
					IDLE DR		150	0.30	76
					IDLE NEU		100	0.15	38
3113	1973	CHEV	NOVA	350	HI SPEED	26.0	50	0.37	754
					LO SPEED	12.0	70	1.50	121
					IDLE DR		110	2.50	36
					IDLE NEU		60	0.85	32
3114	1973	CHEV	IMPA	350	HI SPEED	31.0	40	0.20	1590
					LO SPEED	15.0	80	1.40	885
					IDLE DR		105	1.90	86
					IDLE NEU		55	0.80	48
3115	1973	CHEV	IMPA	350	HI SPEED	31.0	120	0.30	2223
					LO SPEED	15.0	135	0.20	1076
					IDLE DR		175	1.40	60
					IDLE NEU		80	0.40	34
3116	1973	DODG	DART	225	HI SPEED	26.0	90	0.35	4528
					LO SPEED	12.0	135	0.15	3032
					IDLE DR		115	0.45	208
					IDLE NEU		85	0.50	101
3117	1973	FORD	PINT	122	HI SPEED	21.0	100	0.21	2311
					LO SPEED	9.0	95	0.28	1052
					IDLE DR		370	0.90	131
					IDLE NEU		750	0.50	83
3118	1973	FORD	TORI	351	HI SPEED	31.0	170	0.55	2641
					LO SPEED	15.0	110	0.25	862
					IDLE DR		170	0.20	84
					IDLE NEU		140	0.20	54
3119	1973	FORD	MUST	302	HI SPEED	26.0	170	0.70	1910
					LO SPEED	12.0	150	0.50	794
					IDLE DR		300	4.00	101
					IDLE NEU		170	3.50	76

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3120	1973	FORD	CUST	351	HI SPEED	31.0	170	0.40	2446
					LO SPEED	15.0	140	0.25	1170
					IDLE DR		280	7.00	60
					IDLE NEU		210	6.80	54
3121	1973	FORD	LTD	400	HI SPEED	31.0	150	0.50	980
					LO SPEED	15.0	250	0.30	2089
					IDLE DR		240	0.80	77
					IDLE NEU		190	0.70	51
3122	1973	MERC	MONT	400	HI SPEED	31.0	25	0.15	676
					LO SPEED	15.0	50	0.20	597
					IDLE DR		290	7.00	56
					IDLE NEU		260	6.60	46
3123	1973	OLDS	CUTL	350	HI SPEED	31.0	180	0.20	2836
					LO SPEED	15.0	310	0.40	2045
					IDLE DR		190	0.20	91
					IDLE NEU		180	0.20	58
3124	1973	OLDS	CUTL	350	HI SPEED	31.0	50	0.20	1217
					LO SPEED	15.0	130	0.50	852
					IDLE DR		140	0.40	187
					IDLE NEU		105	0.70	91
3125	1973	PLYM	SATE	318	HI SPEED	26.0	120	1.00	1682
					LO SPEED	12.0	200	0.60	2641
					IDLE DR		140	1.00	91
					IDLE NEU		100	1.00	62
3126	1973	PLYM	VALI	225	HI SPEED	26.0	110	0.20	2836
					LO SPEED	12.0	150	0.40	1910
					IDLE DR		190	0.90	213
					IDLE NEU		140	1.10	101
3127	1973	PONT	CATA	400	HI SPEED	31.0	125	0.30	121[illegible]
					LO SPEED	15.0	160	0.50	54[illegible]
					IDLE DR		320	7.00	66
					IDLE NEU		200	6.00	55

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3128	1973	PONT	LEMA	350	HI SPEED	31.0	45	0.20	735
					LO SPEED	15.0	75	0.25	349
					IDLE DR		580	0.30	498
					IDLE NEU		905	0.35	76
3129	1973	DATS	510	97	HI SPEED	21.0	60	0.40	882
					LO SPEED	9.0	130	0.35	567
					IDLE DR				
					IDLE NEU		230	4.00	38
3130	1973	OPEL	STAW	116	HI SPEED	21.0	140	0.85	2836
					LO SPEED	9.0	190	2.20	1170
					IDLE DR				
					IDLE NEU		160	3.20	68
3131	1973	TOYO	CORO	97	HI SPEED	21.0	220	0.40	3032
					LO SPEED	9.0	260	1.50	931
					IDLE DR				
					IDLE NEU		180	1.40	91
3132	1973	VOLK	SEDA	97	HI SPEED	21.0	100	0.35	1590
					LO SPEED	9.0	210	1.00	1498
					IDLE DR				
					IDLE NEU		310	8.00	58
3133	1973	VOLK	SEDA	97	HI SPEED	21.0	410	0.18	1864
					LO SPEED	9.0	340	0.15	1264
					IDLE DR				
					IDLE NEU		1960	2.10	66
3362	1973	BUIC	CNTY	350	HI SPEED	31.0	700	0.35	1311
					LO SPEED	15.0	150	0.60	458
					IDLE DR		110	3.20	43
					IDLE NEU		95	1.50	40
3363	1973	BUIC	ELEC	455	HI SPEED	36.0	80	1.30	833
					LO SPEED	18.0	85	1.00	399
					IDLE DR		150	2.00	57
					IDLE NEU		95	1.50	36

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3364	1973	CHEV	STAW	400	HI SPEED	36.0	30	0.20	1217
					LO SPEED	18.0	70	0.20	774
					IDLE DR		60	0.30	666
					IDLE NEU		65	0.25	72
3365	1973	CHEV	VEGA	140	HI SPEED	21.0	200	0.60	3032
					LO SPEED	9.0	280	1.40	1819
					IDLE DR		460	7.00	88
					IDLE NEU		360	5.80	70
3366	1973	CHEV	NOVA	250	HI SPEED	26.0	100	0.10	2311
					LO SPEED	12.0	150	0.10	950
					IDLE DR		160	1.20	58
					IDLE NEU		100	0.70	36
3367	1973	CHEV	MONT	350	HI SPEED	31.0	60	0.40	1288
					LO SPEED	15.0	90	0.16	389
					IDLE DR		110	0.13	141
					IDLE NEU		75	0.12	46
3368	1973	CHEV	MALI	307	HI SPEED	31.0	100	1.60	725
					LO SPEED	15.0	120	0.22	547
					IDLE DR		140	1.80	52
					IDLE NEU		70	0.80	34
3369	1973	CHEV	CAPR	454	HI SPEED	31.0	70	0.82	794
					LO SPEED	15.0	90	1.10	270
					IDLE DR		80	2.40	43
					IDLE NEU		50	1.20	39
3370	1973	CHRY	NEWP	400	HI SPEED	31.0	160	0.50	1544
					LO SPEED	15.0	180	0.20	2641
					IDLE DR		200	0.20	82
					IDLE NEU		240	0.50	52
3371	1973	DODG	CORO	318	HI SPEED	26.0	150	0.50	1405
					LO SPEED	12.0	210	0.20	2134
					IDLE DR		380	9.60	66
					IDLE NEU		350	9.40	64

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3372	1973	DODG	POLA	360	HI SPEED	31.0	90	1.80	3426
					LO SPEED	15.0	155	0.35	2311
					IDLE DR		160	0.45	91
					IDLE NEU		80	0.40	66
3373	1973	FORD	PINT	122	HI SPEED	21.0	100	0.25	2446
					LO SPEED	9.0	230	1.50	980
					IDLE DR				
					IDLE NEU		275	8.30	44
3374	1973	FORD	STAW	351	HI SPEED	31.0	140	0.30	2000
					LO SPEED	15.0	190	0.25	843
					IDLE DR		195	2.70	92
					IDLE NEU		240	2.50	73
3375	1973	FORD	LTD	400	HI SPEED	31.0	2000	0.40	2934
					LO SPEED	15.0	2000	0.35	843
					IDLE DR		2000	9.90	33
					IDLE NEU		2000	9.70	26
3376	1973	FORD	STAW	460	HI SPEED	36.0	60	0.50	1311
					LO SPEED	18.0	50	0.25	626
					IDLE DR		140	0.70	80
					IDLE NEU		350	0.50	50
3377	1973	MERC	COUG	351	HI SPEED	26.0	170	0.20	774
					LO SPEED	12.0	240	0.20	1311
					IDLE DR		130	0.20	78
					IDLE NEU		100	0.20	48
3378	1973	OLDS	CUTL	350	HI SPEED	31.0	50	0.10	774
					LO SPEED	15.0	70	0.20	557
					IDLE DR		120	0.60	82
					IDLE NEU		110	0.75	56
3379	1973	OLDS	NNTY	455	HI SPEED	36.0	25	0.10	980
					LO SPEED	18.0	30	0.15	656
					IDLE DR		140	4.60	68
					IDLE NEU		150	4.20	57

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3380	1973	PLYM	SATE	318	HI SPEED	26.0	240	0.32	2289
					LO SPEED	12.0	260	0.60	1451
					IDLE DR		700	1.30	119
					IDLE NEU		440	0.50	72
3381	1973	PONT	FIRE	350	HI SPEED	26.0	70	0.40	557
					LO SPEED	12.0	145	0.75	279
					IDLE DR		290	3.90	86
					IDLE NEU		280	4.60	56
3382	1973	PONT	STAW	455	HI SPEED	36.0	60	4.00	1910
					LO SPEED	18.0	70	1.00	872
					IDLE DR		410	8.20	28
					IDLE NEU		380	7.80	26
3383	1973	CAPR	COUP	122	HI SPEED	21.0	120	0.15	5037
					LO SPEED	9.0	150	2.50	2641
					IDLE DR				
					IDLE NEU		220	6.50	70
3384	1973	MAZD	SEDA	70	HI SPEED	21.0	40	0.40	617
					LO SPEED	9.0	70	1.00	279
					IDLE DR				
					IDLE NEU		90	0.07	28
2134	1972	AMC	GREM	258	HI SPEED	21.0	140	0.50	2134
					LO SPEED	9.0	250	3.00	636
					IDLE DR		260	3.60	96
					IDLE NEU		260	3.40	82
2135	1972	BUIC	LESA	455	HI SPEED	31.0	280	0.70	3130
					LO SPEED	15.0	340	1.00	2045
					IDLE DR		2000	10.00	21
					IDLE NEU		2000	10.00	17
2136	1972	CADI	DEVI	472	HI SPEED	36.0	65	0.40	1955
					LO SPEED	18.0	110	2.10	676
					IDLE DR		100	3.60	48
					IDLE NEU		60	1.60	40

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2137	1972	CHEV	VEGA	140	HI SPEED	21.0	100	0.70	1636
					LO SPEED	9.0	50	0.38	843
					IDLE DR				
					IDLE NEU		48	0.50	36
2138	1972	CHEV	MONT	350	HI SPEED	31.0	125	0.30	3426
					LO SPEED	15.0	120	0.10	2446
					IDLE DR		190	3.00	96
					IDLE NEU		120	2.80	49
2139	1972	CHEV	MONT	350	HI SPEED	31.0	180	0.70	2311
					LO SPEED	15.0	240	1.70	1544
					IDLE DR		210	1.00	101
					IDLE NEU		140	0.80	58
2140	1972	CHEV	NOVA	307	HI SPEED	26.0	140	0.25	2641
					LO SPEED	12.0	260	0.20	2178
					IDLE DR		410	1.60	146
					IDLE NEU		245	2.60	68
2141	1972	CHEV	IMPA	350	HI SPEED	31.0	30	0.10	3032
					LO SPEED	15.0	60	0.20	2350
					IDLE DR		60	0.50	182
					IDLE NEU		55	0.40	78
2142	1972	CHEV	CAPR	400	HI SPEED	31.0	60	0.70	1264
					LO SPEED	15.0	50	0.20	538
					IDLE DR		400	10.00	19
					IDLE NEU		405	10.00	14
2143	1972	DODG	CORO	318	HI SPEED	26.0	140	0.25	3032
					LO SPEED	12.0	270	0.20	2641
					IDLE DR		220	1.80	101
					IDLE NEU		180	1.70	66
2144	1972	FORD	PINT	122	HI SPEED	21.0	110	0.35	3525
					LO SPEED	9.0	90	0.15	1682
					IDLE DR				
					IDLE NEU		100	1.90	83

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2145	1972	FORD	TORI	351	HI SPEED	26.0	180	0.20	2836
					LO SPEED	12.0	210	0.20	2089
					IDLE DR		220	2.20	101
					IDLE NEU		165	2.00	68
2146	1972	FORD	MAVE	200	HI SPEED	21.0	140	0.20	4426
					LO SPEED	9.0	220	0.30	3032
					IDLE DR		300	3.60	121
					IDLE NEU		240	3.40	80
2147	1972	FORD	CUST	351	HI SPEED	31.0	180	0.50	3228
					LO SPEED	15.0	200	0.20	1544
					IDLE DR		140	0.20	182
					IDLE NEU		180	0.20	74
2148	1972	FORD	STAW	400	HI SPEED	31.0	110	0.30	3426
					LO SPEED	15.0	110	0.20	1544
					IDLE DR		260	7.40	76
					IDLE NEU		210	7.00	62
2149	1972	MERC	MONR	400	HI SPEED	31.0	160	0.60	2446
					LO SPEED	15.0	170	0.20	1590
					IDLE DR		360	7.20	11
					IDLE NEU		260	7.00	5
2150	1972	OLDS	DELT	350	HI SPEED	31.0	140	0.45	2134
					LO SPEED	15.0	255	1.30	1170
					IDLE DR		180	1.40	101
					IDLE NEU		150	1.50	72
2151	1972	PLYM	VALI	225	HI SPEED	26.0	120	0.60	3327
					LO SPEED	12.0	140	0.35	2112
					IDLE DR		260	6.90	82
					IDLE NEU		210	6.60	66
2152	1972	PLYM	STAW	360	HI SPEED	31.0	100	1.20	2836
					LO SPEED	15.0	180	2.60	1451
					IDLE DR		225	8.00	68
					IDLE NEU		220	8.20	48

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2153	1972	PONT	CATA	400	HI SPEED	31.0	80	0.20	1123
					LO SPEED	15.0	170	0.75	1076
					IDLE DR		380	3.80	68
					IDLE NEU		190	3.70	64
2154	1972	PONT	STAW	350	HI SPEED	31.0	130	0.50	2446
					LO SPEED	15.0	250	0.80	1590
					IDLE DR		440	9.00	15
					IDLE NEU		460	8.80	5
2155	1972	DATS	1200	85	HI SPEED	21.0	145	0.18	3879
					LO SPEED	9.0	170	0.18	1910
					IDLE DR		380	1.20	246
					IDLE NEU		300	1.60	98
2156	1972	TOYO	CORO	120	HI SPEED	21.0	100	0.20	3823
					LO SPEED	9.0	230	0.50	2641
					IDLE DR		340	1.00	319
					IDLE NEU		280	0.50	157
2157	1972	VOLK	SEDA	97	HI SPEED	21.0	60	0.20	1659
					LO SPEED	9.0	250	0.70	1451
					IDLE DR				
					IDLE NEU		410	7.00	70
2158	1972	VOLK	STAW	103	HI SPEED	21.0	150	0.40	2157
					LO SPEED	9.0	190	0.55	1475
					IDLE DR		280	0.90	121
					IDLE NEU		295	0.85	48
2385	1972	BUIC	SKYL	350	HI SPEED	26.0	110	0.40	2641
					LO SPEED	12.0	200	0.80	1728
					IDLE DR		170	1.00	141
					IDLE NEU		200	0.90	72
2386	1972	BUIC	LESA	350	HI SPEED	31.0	80	0.25	3228
					LO SPEED	15.0	200	0.35	2641
					IDLE DR		160	1.40	152
					IDLE NEU		125	1.25	80

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2387	1972	CHEV	VEGA	140	HI SPEED	21.0	150	0.60	1217
					LO SPEED	9.0	700	6.00	379
					IDLE DR		780	10.00	32
					IDLE NEU		1500	10.00	38
2388	1972	CHEV	NOVA	250	HI SPEED	26.0	40	0.20	1682
					LO SPEED	12.0	130	0.20	1288
					IDLE DR		270	4.20	78
					IDLE NEU		220	4.80	58
2389	1972	CHEV	MONT	350	HI SPEED	31.0	460	1.30	2311
					LO SPEED	15.0	250	2.10	1311
					IDLE DR		270	4.40	80
					IDLE NEU		200	4.00	66
2390	1972	CHEV	IMPA	350	HI SPEED	31.0	160	2.20	2045
					LO SPEED	15.0	255	3.20	1217
					IDLE DR		380	9.60	55
					IDLE NEU		335	8.80	42
2391	1972	CHEV	STAW	400	HI SPEED	36.0	75	0.40	1498
					LO SPEED	18.0	70	0.45	872
					IDLE DR		210	2.60	106
					IDLE NEU		280	2.60	62
2392	1972	CHRY	NEWP	400	HI SPEED	31.0	130	1.00	2350
					LO SPEED	15.0	120	0.30	1311
					IDLE DR		220	2.40	62
					IDLE NEU		205	3.30	56
2393	1972	DODG	DART	225	HI SPEED	26.0	550	1.30	2446
					LO SPEED	12.0	165	0.10	1682
					IDLE DR		160	2.20	111
					IDLE NEU		145	1.50	78
2394	1972	FORD	STAW	122	HI SPEED	21.0	190	0.30	4124
					LO SPEED	9.0	270	0.85	3624
					IDLE DR		525	8.70	11
					IDLE NEU		500	7.30	5

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2395	1972	FORD	TORI	302	HI SPEED	26.0	250	0.40	2836
					LO SPEED	12.0	120	0.20	695
					IDLE DR		900	3.50	63
					IDLE NEU		1425	3.60	48
2396	1972	FORD	LTD	400	HI SPEED	31.0	145	0.17	3624
					LO SPEED	15.0	150	0.13	2267
					IDLE DR		230	3.70	109
					IDLE NEU		195	3.20	66
2397	1972	FORD	TORI	351	HI SPEED	31.0	160	0.90	3624
					LO SPEED	15.0	200	0.80	1910
					IDLE DR		195	4.60	90
					IDLE NEU		140	4.60	72
2398	1972	LINC	CONT	460	HI SPEED	36.0	85	0.50	2641
					LO SPEED	18.0	70	0.30	1544
					IDLE DR		90	2.10	106
					IDLE NEU		60	0.18	58
2399	1972	MERC	MONG	302	HI SPEED	26.0	260	0.40	4225
					LO SPEED	12.0	350	0.30	2641
					IDLE DR		800	5.70	64
					IDLE NEU		600	5.10	52
2400	1972	OLDS	CUTL	350	HI SPEED	26.0	170	0.15	2641
					LO SPEED	12.0	290	0.65	2000
					IDLE DR		180	0.50	146
					IDLE NEU		100	0.40	78
2401	1972	OLDS	NNTY	455	HI SPEED	36.0	60	0.20	2253
					LO SPEED	18.0	150	0.15	2000
					IDLE DR		120	0.50	82
					IDLE NEU		100	0.40	52
2402	1972	PLYM	BARR	318	HI SPEED	26.0	105	0.20	2311
					LO SPEED	12.0	185	1.50	2089
					IDLE DR		265	3.10	92
					IDLE NEU		215	2.90	66

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2403	1972	PONT	GRNV	455	HI SPEED	31.0	70	0.18	2350
					LO SPEED	15.0	110	0.50	1498
					IDLE DR		280	5.00	58
					IDLE NEU		300	6.00	39
2404	1972	CAPR	COUP	159	HI SPEED	21.0	450	0.04	2192
					LO SPEED	9.0	360	0.04	1308
					IDLE DR				
					IDLE NEU		1640	0.05	34
1159	1971	BUIC	RIVI	455	HI SPEED	31.0	140	0.35	1405
					LO SPEED	15.0	190	1.10	1451
					IDLE DR		240	4.80	676
					IDLE NEU		230	5.20	50
1160	1971	BUIC	SKYL	350	HI SPEED	26.0	75	0.40	1590
					LO SPEED	12.0	190	1.00	882
					IDLE DR		380	8.00	45
					IDLE NEU		390	7.60	35
1161	1971	CHEV	VEGA	140	HI SPEED	21.0	230	2.50	2089
					LO SPEED	9.0	340	2.70	1358
					IDLE DR				
					IDLE NEU		2000	10.00	18
1162	1971	CHEV	MALI	350	HI SPEED	26.0	125	0.45	1636
					LO SPEED	12.0	70	0.70	458
					IDLE DR		250	1.50	80
					IDLE NEU		170	1.70	53
1163	1971	CHEV	MALI	250	HI SPEED	26.0	160	0.15	5655
					LO SPEED	12.0	270	0.30	3923
					IDLE DR		355	4.90	146
					IDLE NEU		760	4.20	76
1164	1971	CHEV	IMPA	350	HI SPEED	31.0	70	0.20	2045
					LO SPEED	15.0	200	2.50	2089
					IDLE DR		280	2.80	208
					IDLE NEU		280	2.40	111

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1165	1971	CHEV	STAW	350	HI SPEED	36.0	165	0.35	3032
					LO SPEED	18.0	310	1.30	2067
					IDLE DR		480	9.60	64
					IDLE NEU		350	9.50	48
1166	1971	CHRY	NEWY	440	HI SPEED	31.0	200	3.00	1682
					LO SPEED	15.0	110	0.40	1358
					IDLE DR		400	0.20	72
					IDLE NEU		480	0.25	30
1167	1971	DODG	CORO	318	HI SPEED	26.0	120	0.28	2089
					LO SPEED	12.0	180	0.18	2045
					IDLE DR		170	1.60	104
					IDLE NEU		130	1.30	78
1168	1971	FORD	PINT	122	HI SPEED	21.0	200	0.40	2641
					LO SPEED	9.0	330	0.70	1498
					IDLE DR				
					IDLE NEU		320	6.00	62
1169	1971	FORD	STAW	302	HI SPEED	26.0	180	1.40	2836
					LO SPEED	12.0	160	0.20	1123
					IDLE DR		300	7.60	64
					IDLE NEU		240	7.20	54
1170	1971	FORD	MAVE	200	HI SPEED	26.0	105	0.10	3130
					LO SPEED	12.0	150	0.13	2289
					IDLE DR		205	4.90	106
					IDLE NEU		170	4.60	80
1171	1971	FORD	LTD	351	HI SPEED	31.0	180	1.00	2836
					LO SPEED	15.0	210	0.50	2446
					IDLE DR		310	0.30	82
					IDLE NEU		2000	0.20	46
1172	1971	FORD	LTD	400	HI SPEED	31.0	30	0.20	1451
					LO SPEED	15.0	35	0.20	695
					IDLE DR		190	5.50	65
					IDLE NEU		170	5.20	54

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1173	1971	MERC	MONR	351	HI SPEED	31.0	160	0.20	3624
					LO SPEED	15.0	200	0.20	2223
					IDLE DR		210	4.00	96
					IDLE NEU		180	3.60	74
1174	1971	OLDS	STAW	455	HI SPEED	36.0	105	0.65	2934
					LO SPEED	18.0	100	0.23	2311
					IDLE DR		100	0.90	106
					IDLE NEU		85	1.00	67
1175	1971	PLYM	DUST	225	HI SPEED	26.0	200	1.20	3032
					LO SPEED	12.0	280	1.40	2267
					IDLE DR		335	5.20	116
					IDLE NEU		270	4.60	88
1176	1971	PONT	GRNV	455	HI SPEED	31.0	75	0.15	2641
					LO SPEED	15.0	160	1.20	1311
					IDLE DR		560	7.00	82
					IDLE NEU		1200	4.80	40
1177	1971	PONT	LEMA	350	HI SPEED	26.0	120	2.00	2641
					LO SPEED	12.0	180	0.20	1728
					IDLE DR		560	2.80	319
					IDLE NEU		460	3.00	78
1178	1971	DATS	SEDA	97	HI SPEED	21.0	260	0.14	5551
					LO SPEED	9.0	315	0.50	4124
					IDLE DR				
					IDLE NEU		620	4.00	64
1179	1971	TOYO	STAW	97	HI SPEED	21.0	320	1.90	3032
					LO SPEED	9.0	330	1.70	950
					IDLE DR				
					IDLE NEU		640	8.40	36
1180	1971	VOLK	SEDA	97	HI SPEED	21.0	220	1.50	2311
					LO SPEED	9.0	370	3.40	458
					IDLE DR				
					IDLE NEU		400	8.20	58

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1405	1971	AMC	AMBA	360	HI SPEED	31.0	90	0.50	3032
					LO SPEED	15.0	95	0.30	1358
					IDLE DR		145	1.40	82
					IDLE NEU		150	2.50	56
1406	1971	BUIC	ELEC	455	HI SPEED	31.0	160	0.30	2836
					LO SPEED	15.0	230	0.95	1264
					IDLE DR		240	4.50	83
					IDLE NEU		220	4.30	56
1407	1971	CADI	DEVI	472	HI SPEED	36.0	20	0.20	1682
					LO SPEED	18.0	20	1.00	813
					IDLE DR		320	8.80	15
					IDLE NEU		520	8.60	13
1408	1971	CHEV	CAMA	307	HI SPEED	26.0	205	0.70	3032
					LO SPEED	12.0	270	0.30	3130
					IDLE DR		420	4.80	83
					IDLE NEU		360	5.10	59
1409	1971	CHEV	MALI	307	HI SPEED	26.0	120	0.50	2089
					LO SPEED	12.0	260	0.50	1774
					IDLE DR		320	1.00	106
					IDLE NEU		180	0.50	60
1410	1971	CHEV	MONT	350	HI SPEED	26.0	200	0.50	1636
					LO SPEED	12.0	260	0.35	932
					IDLE DR		1150	1.40	157
					IDLE NEU		1600	1.30	70
1411	1971	CHEV	CAPR	400	HI SPEED	31.0	110	1.20	2178
					LO SPEED	15.0	100	0.20	2045
					IDLE DR		200	1.50	111
					IDLE NEU		110	1.00	60
1412	1971	DODG	DART	225	HI SPEED	26.0	75	0.15	2350
					LO SPEED	12.0	310	3.50	1728
					IDLE DR		340	0.28	162
					IDLE NEU		725	0.22	88

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1413	1971	FORD	MAVE	302	HI SPEED	26.0	180	0.35	3823
					LO SPEED	12.0	265	0.20	2089
					IDLE DR		355	8.40	74
					IDLE NEU		400	7.60	60
1414	1971	FORD	LTD	351	HI SPEED	31.0	100	0.80	1864
					LO SPEED	15.0	140	0.70	1028
					IDLE DR		180	6.40	73
					IDLE NEU		155	6.20	65
1415	1971	FORD	LTD	351	HI SPEED	31.0	1960	0.20	1451
					LO SPEED	15.0	2000	0.32	754
					IDLE DR		2000	6.60	44
					IDLE NEU		2000	5.80	38
1416	1971	MERC	MARQ	429	HI SPEED	31.0	125	0.25	3032
					LO SPEED	15.0	175	0.15	1864
					IDLE DR		535	6.20	99
					IDLE NEU		600	6.00	55
1417	1971	OLDS	CUTL	350	HI SPEED	26.0	140	0.20	1405
					LO SPEED	12.0	160	0.20	577
					IDLE DR		360	3.50	70
					IDLE NEU		340	2.80	52
1418	1971	OLDS	CUTL	350	HI SPEED	26.0	165	0.15	2641
					LO SPEED	12.0	240	0.35	1819
					IDLE DR		245	4.00	79
					IDLE NEU		200	3.50	57
1419	1971	PLYM	DUST	318	HI SPEED	26.0	215	1.20	2311
					LO SPEED	12.0	300	0.50	1682
					IDLE DR		300	7.20	61
					IDLE NEU		270	7.30	54
1420	1971	PLYM	FRY2	318	HI SPEED	31.0	130	0.23	1955
					LO SPEED	15.0	205	0.16	2134
					IDLE DR		170	0.40	96
					IDLE NEU		110	0.40	58

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1421	1971	PONT	CATA	350	HI SPEED	31.0	40	0.20	1170
					LO SPEED	15.0	70	0.20	715
					IDLE DR		325	6.50	64
					IDLE NEU		220	5.00	56
1422	1971	VOLK	SEDA	97	HI SPEED	21.0	160	0.90	1728
					LO SPEED	9.0	300	3.40	715
					IDLE DR				
					IDLE NEU		305	8.60	65
0181	1970	AMC	AMBA	360	HI SPEED	31.0	120	0.25	2530
					LO SPEED	15.0	120	0.20	1460
					IDLE DR		280	4.70	108
					IDLE NEU		235	4.20	88
0182	1970	BUIC	ELEC	455	HI SPEED	31.0	170	0.50	2836
					LO SPEED	15.0	260	1.60	1028
					IDLE DR		395	3.80	68
					IDLE NEU		650	3.60	50
0183	1970	CHEV	MONT	350	HI SPEED	26.0	350	8.00	319
					LO SPEED	12.0	245	0.80	1264
					IDLE DR		220	2.50	92
					IDLE NEU		140	2.80	56
0184	1970	CHEV	MALI	307	HI SPEED	26.0	170	0.70	3228
					LO SPEED	12.0	300	0.40	2446
					IDLE DR		420	6.20	64
					IDLE NEU		280	5.40	50
0185	1970	CHEV	MALI	350	HI SPEED	26.0	215	4.80	518
					LO SPEED	12.0	245	1.50	498
					IDLE DR		280	0.40	224
					IDLE NEU		1400	0.40	211
0186	1970	CHEV	IMPA	350	HI SPEED	31.0	1500	0.20	980
					LO SPEED	15.0	1900	0.30	774
					IDLE DR		2000	0.70	88
					IDLE NEU		2000	1.00	50

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0187	1970	CHEV	CAPR	400	HI SPEED	31.0	160	1.80	932
					LO SPEED	15.0	140	0.30	656
					IDLE DR		320	0.50	42
					IDLE NEU		520	0.60	34
0188	1970	DODG	DART	225	HI SPEED	26.0	135	0.50	3426
					LO SPEED	12.0	210	0.30	3032
					IDLE DR		360	6.00	99
					IDLE NEU		290	6.30	90
0189	1970	FORD	MUST	302	HI SPEED	26.0	195	0.90	2267
					LO SPEED	12.0	205	0.85	1076
					IDLE DR		265	4.20	96
					IDLE NEU		200	4.60	68
0190	1970	FORD	FAIR	302	HI SPEED	26.0	160	0.20	3228
					LO SPEED	12.0	140	0.25	1498
					IDLE DR		780	4.70	70
					IDLE NEU		355	3.90	62
0191	1970	FORD	LTD	351	HI SPEED	31.0	170	1.00	1498
					LO SPEED	15.0	290	0.30	1955
					IDLE DR		500	6.80	42
					IDLE NEU		455	6.40	36
0192	1970	FORD	LTD	351	HI SPEED	31.0	140	0.50	3426
					LO SPEED	15.0	185	0.30	2836
					IDLE DR		210	7.80	96
					IDLE NEU		220	8.00	70
0193	1970	MERC	COUG	351	HI SPEED	26.0	120	0.50	3032
					LO SPEED	12.0	185	0.30	1955
					IDLE DR		200	3.40	141
					IDLE NEU		140	3.00	83
0194	1970	OLDS	CUTL	350	HI SPEED	26.0	60	0.13	1147
					LO SPEED	12.0	120	0.31	833
					IDLE DR		170	4.10	76
					IDLE NEU		140	3.70	61

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0195	1970	PLYM	STAW	383	HI SPEED	31.0	75	0.50	2738
					LO SPEED	15.0	125	0.25	1728
					IDLE DR		260	9.00	54
					IDLE NEU		250	8.80	44
0196	1970	PLYM	DUST	198	HI SPEED	26.0	210	0.45	3373
					LO SPEED	12.0	260	0.70	3120
					IDLE DR		590	7.20	88
					IDLE NEU		700	7.00	69
0197	1970	PONT	BONN	455	HI SPEED	31.0	360	1.10	1855
					LO SPEED	15.0	380	1.00	1189
					IDLE DR		400	4.50	78
					IDLE NEU		1400	3.80	55
0198	1970	DATS	510	97	HI SPEED	21.0	150	0.14	2112
					LO SPEED	9.0	220	0.45	1659
					IDLE DR		290	1.60	226
					IDLE NEU		140	0.25	116
0199	1970	TOYO	SEDA	113	HI SPEED	21.0	180	0.15	4629
					LO SPEED	9.0	340	2.50	2311
					IDLE DR		440	1.60	478
					IDLE NEU		370	1.50	224
0200	1970	VOLK	SEDA	97	HI SPEED	21.0	170	1.30	1659
					LO SPEED	9.0	260	0.35	1451
					IDLE DR				
					IDLE NEU		240	2.20	68
0423	1970	BUIC	LESA	350	HI SPEED	31.0	140	0.51	2446
					LO SPEED	15.0	250	2.50	1170
					IDLE DR		800	4.30	90
					IDLE NEU		260	5.00	62
0424	1970	BUIC	LESA	350	HI SPEED	31.0	65	0.30	1864
					LO SPEED	15.0	240	1.60	1170
					IDLE DR		505	9.30	38
					IDLE NEU		515	8.90	30

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0425	1970	CADI	DEVI	472	HI SPEED	36.0	340	0.70	1170
					LO SPEED	18.0	480	1.90	1264
					IDLE DR		180	6.00	92
					IDLE NEU		160	5.80	74
0426	1970	CHEV	NOVA	307	HI SPEED	26.0	180	0.45	518
					LO SPEED	12.0	230	0.50	538
					IDLE DR		410	4.00	240
					IDLE NEU		310	3.50	40
0427	1970	CHEV	IMPA	350	HI SPEED	31.0	150	1.80	1123
					LO SPEED	15.0	220	3.20	557
					IDLE DR		320	4.00	72
					IDLE NEU		250	4.20	58
0428	1970	CHEV	IMPA	400	HI SPEED	31.0	300	6.60	359
					LO SPEED	15.0	220	2.20	774
					IDLE DR		280	0.20	136
					IDLE NEU		950	0.20	62
0429	1970	CHRY	NEWP	383	HI SPEED	31.0	93	0.12	2783
					LO SPEED	15.0	112	0.10	1423
					IDLE DR		250	5.90	77
					IDLE NEU		200	6.00	57
0430	1970	DODG	CORO	318	HI SPEED	26.0	240	2.20	2045
					LO SPEED	12.0	320	1.30	695
					IDLE DR		1250	4.50	96
					IDLE NEU		650	4.40	76
0431	1970	FORD	MAVE	200	HI SPEED	21.0	125	0.20	3032
					LO SPEED	9.0	230	0.60	1498
					IDLE DR		490	6.30	78
					IDLE NEU		520	6.50	52
0432	1970	FORD	MUST	351	HI SPEED	26.0	210	0.60	2530
					LO SPEED	12.0	300	0.20	1606
					IDLE DR		780	8.60	55
					IDLE NEU		940	7.80	41

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0433	1970	FORD	LTD	390	HI SPEED	31.0	260	1.10	2836
					LO SPEED	15.0	340	0.40	2641
					IDLE DR		1600	6.20	126
					IDLE NEU		2000	4.80	58
0434	1970	OLDS	NNTY	455	HI SPEED	31.0	45	0.15	1170
					LO SPEED	15.0	180	1.20	1004
					IDLE DR		260	6.80	53
					IDLE NEU		250	6.20	46
0435	1970	PLYM	FRY2	383	HI SPEED	31.0	100	1.00	2698
					LO SPEED	15.0	130	1.80	1939
					IDLE DR		200	3.50	98
					IDLE NEU		200	3.20	75
0436	1970	PONT	BONN	455	HI SPEED	31.0	200	0.90	2641
					LO SPEED	15.0	240	0.50	1590
					IDLE DR		440	3.90	78
					IDLE NEU		650	3.80	54
0437	1970	VOLK	SEDA	97	HI SPEED	21.0	230	0.60	2836
					LO SPEED	9.0	280	0.12	1636
					IDLE DR				
					IDLE NEU		820	3.60	49
9438	1969	AMC	RAMB	199	HI SPEED	26.0	2000	0.75	1728
					LO SPEED	12.0	2000	0.70	1451
					IDLE DR				
					IDLE NEU		2000	0.14	59
9439	1969	BUIC	ELEC	430	HI SPEED	31.0	110	0.20	3228
					LO SPEED	15.0	280	0.10	1955
					IDLE DR		440	3.80	182
					IDLE NEU		360	3.60	76
9440	1969	BUIC	STAW	350	HI SPEED	31.0	95	0.30	3228
					LO SPEED	15.0	160	0.60	1864
					IDLE DR		170	5.00	111
					IDLE NEU		120	4.80	84

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9441	1969	CADI	DEVI	472	HI SPEED	36.0	150	0.40	2836
					LO SPEED	18.0	210	1.70	1451
					IDLE DR		130	1.20	349
					IDLE NEU		180	0.40	106
9442	1969	CHEV	NOVA	307	HI SPEED	26.0	130	0.70	1382
					LO SPEED	12.0	160	0.65	764
					IDLE DR		340	4.80	52
					IDLE NEU		280	4.20	40
9443	1969	CHEV	IMPA	350	HI SPEED	31.0	160	0.22	1498
					LO SPEED	15.0	200	0.60	676
					IDLE DR		240	2.40	84
					IDLE NEU		170	2.20	43
9444	1969	CHEV	MALI	307	HI SPEED	26.0	210	2.70	1751
					LO SPEED	12.0	310	2.00	1217
					IDLE DR		350	8.30	63
					IDLE NEU		280	7.10	63
9445	1969	CHEV	IMPA	327	HI SPEED	31.0	220	1.50	2446
					LO SPEED	15.0	320	1.00	1955
					IDLE DR		400	4.00	76
					IDLE NEU		280	3.60	58
9446	1969	CHEV	IMPA	327	HI SPEED	31.0	260	2.80	1123
					LO SPEED	15.0	340	1.50	1311
					IDLE DR		300	3.20	80
					IDLE NEU		190	2.80	50
9447	1969	CHEV	BISC	250	HI SPEED	31.0	200	0.35	3823
					LO SPEED	15.0	250	0.20	3130
					IDLE DR		325	4.40	111
					IDLE NEU		295	4.50	74
9448	1969	CHEV	CAPR	350	HI SPEED	31.0	1900	0.70	1451
					LO SPEED	15.0	1860	0.30	852
					IDLE DR		2000	7.00	60
					IDLE NEU		380	5.80	52

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9449	1969	CHRY	STAW	383	HI SPEED	31.0	170	0.57	3823
					LO SPEED	15.0	180	0.22	2157
					IDLE DR		240	0.13	74
					IDLE NEU		140	0.15	40
9450	1969	DODG	CORO	318	HI SPEED	26.0	200	9.00	3542
					LO SPEED	12.0	265	9.00	2698
					IDLE DR		240	2.40	127
					IDLE NEU		210	2.00	73
9451	1969	FORD	FAIR	250	HI SPEED	26.0	220	0.90	1544
					LO SPEED	12.0	290	0.55	438
					IDLE DR		365	6.00	71
					IDLE NEU		340	5.50	50
9452	1969	FORD	MUST	302	HI SPEED	26.0	350	0.30	9635
					LO SPEED	12.0	465	0.25	3327
					IDLE DR		190	9.50	4
					IDLE NEU		600	8.80	1
9453	1969	FORD	TORI	351	HI SPEED	26.0	195	1.50	2089
					LO SPEED	12.0	210	0.60	1405
					IDLE DR		220	3.10	111
					IDLE NEU		170	2.80	76
9454	1969	FORD	LTD	390	HI SPEED	31.0	210	0.30	3228
					LO SPEED	15.0	280	0.20	2223
					IDLE DR		170	0.10	106
					IDLE NEU		170	0.20	56
9455	1969	FORD	MUST	302	HI SPEED	26.0	300	0.30	3228
					LO SPEED	12.0	410	0.30	2641
					IDLE DR		320	2.60	116
					IDLE NEU		420	2.20	78
9456	1969	FORD	STAW	390	HI SPEED	31.0	150	0.85	3130
					LO SPEED	15.0	200	0.80	2641
					IDLE DR		190	3.30	111
					IDLE NEU		142	3.10	75

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9457	1969	MERC	MARQ	429	HI SPEED	31.0	300	0.50	2836
					LO SPEED	15.0	340	0.20	2311
					IDLE DR		420	5.20	84
					IDLE NEU		330	5.00	62
9458	1969	OLDS	NNTY	455	HI SPEED	31.0	140	0.30	2267
					LO SPEED	15.0	240	1.60	1311
					IDLE DR		260	4.80	84
					IDLE NEU		250	4.80	419
9459	1969	OLDS	DELT	350	HI SPEED	31.0	160	1.10	1955
					LO SPEED	15.0	180	0.80	1311
					IDLE DR		180	1.50	78
					IDLE NEU		280	1.50	56
9460	1969	PLYM	STAW	318	HI SPEED	31.0	310	0.90	3426
					LO SPEED	15.0	440	2.20	1910
					IDLE DR		640	2.40	96
					IDLE NEU		750	2.30	60
9461	1969	PLYM	VALI	225	HI SPEED	26.0	180	0.80	2253
					LO SPEED	12.0	350	2.00	2446
					IDLE DR		460	4.80	96
					IDLE NEU		320	3.20	80
9462	1969	PONT	LEMA	350	HI SPEED	31.0	150	0.40	1636
					LO SPEED	15.0	200	0.50	872
					IDLE DR		320	3.20	88
					IDLE NEU		300	3.40	60
9463	1969	PONT	CATA	400	HI SPEED	31.0	130	0.20	2641
					LO SPEED	15.0	315	1.60	1728
					IDLE DR		420	9.90	58
					IDLE NEU		450	9.70	28
9464	1969	PONT	CATA	400	HI SPEED	31.0	100	0.20	1910
					LO SPEED	15.0	210	1.50	1590
					IDLE DR		260	4.10	106
					IDLE NEU		205	4.40	74

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9465	1969	TOYO	CORO	116	HI SPEED	21.0	180	1.80	4216
					LO SPEED	9.0	1750	0.10	3542
					IDLE DR		430	3.60	103
					IDLE NEU		420	4.80	51
9466	1969	VOLK	TRAN	97	HI SPEED	26,0	180	3.50	1170
					LO SPEED	12.0	260	1.70	932
					IDLE DR				
					IDLE NEU		640	9.20	23
9467	1969	VOLK	TRAN	97	HI SPEED	21.0	200	2.40	2045
					LO SPEED	9.0	280	1.30	1910
					IDLE DR				
					IDLE NEU		350	2.50	80
8468	1967	AMC	STAW	199	HI SPEED	26.0	330	1.20	3130
					LO SPEED	12.0	485	1.50	2267
					IDLE DR				
					IDLE NEU		880	10.00	24
8469	1967	AMC	STAW	232	HI SPEED	26.0	110	0.20	289
					LO SPEED	12.0	220	0.15	1774
					IDLE DR		250	0.11	349
					IDLE NEU		185	0.25	96
8470	1967	AMC	REBE	290	HI SPEED	26.0	200	1.20	2446
					LO SPEED	12.0	480	4.60	518
					IDLE DR		820	10.00	23
					IDLE NEU		880	10.00	21
8471	1967	BUIC	LESA	340	HI SPEED	31.0	35	0.50	956
					LO SPEED	15.0	100	2.30	250
					IDLE DR		440	6.40	43
					IDLE NEU		420	7.00	38
8472	1968	BUIC	RIVI	430	HI SPEED	31.0	70	0.20	1728
					LO SPEED	15.0	105	0.18	784
					IDLE DR		105	0.15	141
					IDLE NEU		140	0.12	70

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8473	1968	BUIC	STAW	350	HI SPEED	31.0	120	2.60	1590
					LO SPEED	15.0	210	2.50	774
					IDLE DR				
					IDLE NEU		140	4.60	58
8474	1966	CADI	FLEE	429	HI SPEED	36.0	250	3.60	1864
					LO SPEED	18.0	490	3.80	1170
					IDLE DR		610	10.00	250
					IDLE NEU		505	10.00	373
8475	1967	CHEV	IMPA	283	HI SPEED	31.0	380	4.40	2045
					LO SPEED	15.0	620	4.40	852
					IDLE DR		980	10.00	19
					IDLE NEU		1500	10.00	9
8476	1967	CHEV	CHEL	283	HI SPEED	26.0	310	1.20	1864
					LO SPEED	12.0	360	1.60	1217
					IDLE DR		1210	1.50	58
					IDLE NEU		1720	1.40	48
8477	1967	CHEV	BELA	283	HI SPEED	31.0	560	3.60	1288
					LO SPEED	15.0	780	4.30	833
					IDLE DR		790	3.40	77
					IDLE NEU		1720	2.70	42
8478	1968	CHEV	IMPA	307	HI SPEED	31.0	230	0.55	2067
					LO SPEED	15.0	380	1.60	1264
					IDLE DR		900	0.60	114
					IDLE NEU		1300	0.65	58
8479	1967	CHEV	CAPR	327	HI SPEED	31.0	250	3.20	1076
					LO SPEED	15.0	450	4.50	478
					IDLE DR		380	0.30	88
					IDLE NEU		880	0.30	42
8480	1968	CHEV	IMPA	307	HI SPEED	31.0	380	3.80	715
					LO SPEED	15.0	460	1.80	438
					IDLE DR		800	5.20	192
					IDLE NEU		660	4.40	234

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8481	1967	CHEV	IMPA	283	HI SPEED	31.0	340	1.30	3032
					LO SPEED	15.0	540	2.80	1774
					IDLE DR		940	7.40	42
					IDLE NEU		1080	6.80	28
8482	1967	CHEV	MALI	283	HI SPEED	26.0	310	2.20	1636
					LO SPEED	12.0	480	3.40	852
					IDLE DR		580	5.20	96
					IDLE NEU		520	4.60	44
8483	1968	CHEV	IMPA	307	HI SPEED	31.0	425	2.20	2045
					LO SPEED	15.0	410	0.65	1977
					IDLE DR		900	4.50	79
					IDLE NEU		640	3.80	40
8484	1968	CHEV	IMPA	307	HI SPEED	31.0	310	2.50	1682
					LO SPEED	15.0	440	1.50	1405
					IDLE DR		860	8.00	42
					IDLE NEU		870	7.20	30
8485	1968	CHEV	STAW	327	HI SPEED	31.0	330	2.20	21
					LO SPEED	15.0	680	4.20	17
					IDLE DR		785	10.00	3
					IDLE NEU		830	10.00	1
8486	1968	CHEV	IMPA	327	HI SPEED	31.0	295	3.20	1636
					LO SPEED	15.0	390	3.10	1028
					IDLE DR		305	2.50	116
					IDLE NEU		195	2.40	70
8487	1968	CHRY	NEWP	383	HI SPEED	31.0	255	3.20	1796
					LO SPEED	15.0	280	1.80	1682
					IDLE DR		225	3.10	91
					IDLE NEU		175	2.90	62
8488	1966	DODG	DART	225	HI SPEED	26.0	230	0.80	577
					LO SPEED	12.0	310	1.10	15
					IDLE DR		540	7.40	13
					IDLE NEU		500	7.40	7

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8489	1968	DODG	CORO	318	HI SPEED	26.0	170	0.60	3130
					LO SPEED	12.0	240	0.55	2350
					IDLE DR		310	5.40	80
					IDLE NEU		265	4.70	62
8490	1966	DODG	POLA	383	HI SPEED	31.0	220	0.75	1977
					LO SPEED	15.0	340	0.65	1521
					IDLE DR		910	7.10	49
					IDLE NEU		760	6.50	42
8491	1968	FORD	MUST	200	HI SPEED	26.0	145	0.20	2934
					LO SPEED	12.0	230	0.20	2446
					IDLE DR		210	0.75	154
					IDLE NEU		260	0.80	96
8492	1966	FORD	MUST	200	HI SPEED	21.0	240	0.80	1498
					LO SPEED	9.0	340	1.50	90
					IDLE DR		640	8.80	0
					IDLE NEU		740	7.00	0
8493	1966	FORD	STAW	289	HI SPEED	31.0	250	0.80	2641
					LO SPEED	15.0	300	0.50	2134
					IDLE DR		540	7.40	36
					IDLE NEU		600	9.40	26
8494	1968	FORD	LTD	302	HI SPEED	31.0	190	0.60	3624
					LO SPEED	15.0	320	0.30	3032
					IDLE DR		360	6.20	78
					IDLE NEU		250	5.00	60
8495	1967	FORD	LTD	390	HI SPEED	31.0	210	0.80	3032
					LO SPEED	15.0	260	0.40	2738
					IDLE DR		800	6.20	76
					IDLE NEU		850	5.00	58
8496	1968	FORD	STAW	390	HI SPEED	31.0	200	0.32	2934
					LO SPEED	15.0	240	0.22	2067
					IDLE DR		380	3.90	88
					IDLE NEU		235	3.80	65

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8497	1966	FORD	MUST	200	HI SPEED	21.0	220	1.80	2134
					LO SPEED	9.0	390	2.90	1170
					IDLE DR		500	6.20	54
					IDLE NEU		630	6.10	58
8498	1967	FORD	MUST	289	HI SPEED	26.0	280	0.30	2641
					LO SPEED	12.0	420	0.60	2000
					IDLE DR		580	8.80	13
					IDLE NEU		500	8.00	9
8499	1968	FORD	FAIR	289	HI SPEED	26.0	185	0.25	88
					LO SPEED	12.0	260	0.30	1451
					IDLE DR		340	4.80	299
					IDLE NEU		275	1.30	101
8500	1968	FORD	STAW	390	HI SPEED	31.0	110	0.90	1475
					LO SPEED	15.0	115	0.90	823
					IDLE DR		250	5.90	83
					IDLE NEU		205	5.80	59
8501	1966	FORD	STAW	428	HI SPEED	31.0	140	0.50	3032
					LO SPEED	15.0	200	0.90	1910
					IDLE DR		180	1.80	84
					IDLE NEU		120	1.80	56
8502	1967	LINC	CONT	462	HI SPEED	36.0	200	4.80	644
					LO SPEED	18.0	210	3.60	682
					IDLE DR		250	1.80	164
					IDLE NEU		170	1.90	75
8503	1967	MERC	COUG	289	HI SPEED	26.0	205	1.00	2089
					LO SPEED	12.0	310	1.20	1544
					IDLE DR		300	3.80	91
					IDLE NEU		185	3.50	77
8504	1967	OLDS	DLMN	330	HI SPEED	31.0	380	1.80	2000
					LO SPEED	15.0	420	2.00	1217
					IDLE DR		580	6.20	56
					IDLE NEU		600	6.20	44

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8505	1968	OLDS	NNTY	455	HI SPEED	31.0	140	2.20	1955
					LO SPEED	15.0	210	3.80	774
					IDLE DR		240	5.30	76
					IDLE NEU		250	7.00	59
8506	1968	OLDS	CUTL	350	HI SPEED	26.0	285	3.80	1076
					LO SPEED	12.0	490	9.20	185
					IDLE DR		400	10.00	40
					IDLE NEU		365	9.90	39
8507	1968	PLYM	STAW	318	HI SPEED	31.0	200	0.70	3823
					LO SPEED	15.0	240	0.60	794
					IDLE DR		730	9.80	146
					IDLE NEU		410	7.80	38
8508	1968	PLYM	VIP	318	HI SPEED	31.0	195	0.38	3426
					LO SPEED	15.0	220	0.18	2446
					IDLE DR		375	7.10	73
					IDLE NEU		325	6.80	58
8509	1968	PLYM	STAW	383	HI SPEED	31.0	310	7.10	547
					LO SPEED	15.0	420	5.20	676
					IDLE DR		360	9.80	37
					IDLE NEU		330	9.00	34
8510	1966	PLYM	VIP	383	HI SPEED	31.0	110	0.80	2245
					LO SPEED	15.0	150	0.25	1774
					IDLE DR		310	5.50	58
					IDLE NEU		240	5.40	106
8511	1967	PONT	LEMA	326	HI SPEED	26.0	370	5.00	1076
					LO SPEED	12.0	360	1.50	1932
					IDLE DR		540	3.50	205
					IDLE NEU		550	2.80	72
8512	1966	PONT	BONN	389	HI SPEED	31.0	2000	4.30	735
					LO SPEED	15.0	2000	3.40	872
					IDLE DR		2000	6.20	50
					IDLE NEU		2000	4.60	42

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

CHICAGO

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8513	1968	PONT	LEMA	350	HI SPEED	26.0	160	0.40	2836
					LO SPEED	12.0	200	0.20	2000
					IDLE DR		310	5.00	84
					IDLE NEU		280	4.50	68
8514	1967	PONT	CATA	400	HI SPEED	31.0	230	0.95	2836
					LO SPEED	15.0	280	1.60	2134
					IDLE DR		450	2.80	339
					IDLE NEU		560	2.20	96
8515	1966	PONT	BONN	389	HI SPEED	31.0	2000	5.00	478
					LO SPEED	15.0	2000	5.50	359
					IDLE DR		2000	2.50	52
					IDLE NEU		2000	2.60	31
8516	1966	VOLK	TRAN	91	HI SPEED	21.0	210	1.20	2178
					LO SPEED	9.0	300	0.08	2245
					IDLE DR				
					IDLE NEU		280	5.20	49
8517	1968	VOLK	TRAN	97	HI SPEED	26.0	210	5.20	557
					LO SPEED	12.0	230	3.00	813
					IDLE DR				
					IDLE NEU		2000	7.80	11

APPENDIX M

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6018	1976	AMC	STAW	258	HI SPEED	26.0	35	0.12	1024
					LO SPEED	12.0	50	0.10	1642
					IDLE DR		140	5.00	162
					IDLE NEU		120	5.30	108
6019	1976	BUIC	CNTY	350	HI SPEED	31.0	17	0.05	2867
					LO SPEED	15.0	19	0.03	1498
					IDLE DR		10	0.01	265
					IDLE NEU		10	0.01	113
6020	1976	BUIC	ELEC	455	HI SPEED	36.0	23	0.01	1534
					LO SPEED	18.0	20	0.01	606
					IDLE DR		18	0.01	186
					IDLE NEU		17	0.01	86
6021	1976	CADI	ELDO	500	HI SPEED	36.0	17	0.01	1229
					LO SPEED	18.0	20	0.01	872
					IDLE DR		65	0.60	530
					IDLE NEU		55	0.40	113
6022	1976	CHEV	STAW	350	HI SPEED	31.0	19	0.01	2361
					LO SPEED	15.0	12	0.01	940
					IDLE DR		10	0.01	606
					IDLE NEU		10	0.01	167
6023	1976	CHEV	MALI	350	HI SPEED	31.0	20	0.02	1973
					LO SPEED	15.0	15	0.02	635
					IDLE DR		15	0.02	474
					IDLE NEU		15	0.03	103
6024	1976	CHEV	MONZ	140	HI SPEED	26.0	48	0.03	896
					LO SPEED	12.0	40	0.03	1003
					IDLE DR		310	6.40	34
					IDLE NEU		250	5.00	14
6025	1976	CHEV	STAW	400	HI SPEED	36.0	35	0.02	2530
					LO SPEED	18.0	28	0.10	1534
					IDLE DR		245	3.50	49
					IDLE NEU		265	3.20	74

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6026	1976	CHEV	MALI	305	HI SPEED	31.0	24	0.03	2361
					LO SPEED	15.0	20	0.02	1148
					IDLE DR		10	0.03	853
					IDLE NEU		15	0.04	147
6027	1976	CHEV	NOVA	250	HI SPEED	26.0	20	0.02	1642
					LO SPEED	12.0	23	0.02	635
					IDLE DR		172	0.73	303
					IDLE NEU		130	0.70	74
6028	1976	CHEV	CHET	85	HI SPEED	21.0	40	0.05	2361
					LO SPEED	9.0	25	0.03	3710
					IDLE DR				
					IDLE NEU		15	0.02	147
6029	1976	DODG	ASPE	318	HI SPEED	26.0	37	0.02	1229
					LO SPEED	12.0	41	0.01	474
					IDLE DR		55	0.05	322
					IDLE NEU		92	0.05	127
6030	1976	DODG	ASPE	225	HI SPEED	26.0	80	1.10	1442
					LO SPEED	12.0	185	2.00	1148
					IDLE DR		230	1.25	474
					IDLE NEU		175	0.95	154
6031	1976	FORD	STAW	140	HI SPEED	26.0	25	0.04	1498
					LO SPEED	12.0	50	0.02	896
					IDLE DR		35	0.01	108
					IDLE NEU		25	0.01	68
6032	1976	FORD	LTD	400	HI SPEED	31.0	40	0.04	1189
					LO SPEED	15.0	40	0.01	982
					IDLE DR		110	0.01	417
					IDLE NEU		130	0.01	122
6033	1976	FORD	TORI	351	HI SPEED	31.0	110	0.12	1878
					LO SPEED	15.0	110	0.09	1746
					IDLE DR		120	0.32	216
					IDLE NEU		645	0.16	59

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6034	1976	FORD	GRAN	250	HI SPEED	26.0	15	0.03	606
					LO SPEED	12.0	20	0.01	398
					IDLE DR		25	0.01	98
					IDLE NEU		22	0.01	59
6035	1976	FORD	GRAN	302	HI SPEED	26.0	70	0.02	1385
					LO SPEED	12.0	80	0.01	1189
					IDLE DR		55	0.01	181
					IDLE NEU		35	0.01	73
6036	1976	FORD	GRAN	351	HI SPEED	26.0	50	0.01	1498
					LO SPEED	12.0	55	0.01	1107
					IDLE DR		40	0.01	360
					IDLE NEU		40	0.01	142
6037	1976	MERC	MONG	400	HI SPEED	31.0	40	0.04	1385
					LO SPEED	15.0	45	0.02	834
					IDLE DR		60	0.01	872
					IDLE NEU		330	0.01	322
6038	1976	MERC	MONA	250	HI SPEED	26.0	35	0.10	1711
					LO SPEED	12.0	35	0.10	720
					IDLE DR		30	0.10	303
					IDLE NEU		50	0.10	61
6039	1976	OLDS	OMEG	260	HI SPEED	26.0	30	0.10	2361
					LO SPEED	12.0	55	0.10	758
					IDLE DR				
					IDLE NEU		180	1.00	79
6040	1976	OLDS	CUTL	350	HI SPEED	31.0	40	0.05	1498
					LO SPEED	15.0	35	0.02	787
					IDLE DR		283	3.00	159
					IDLE NEU		415	3.50	39
6041	1976	OLDS	TORO	455	HI SPEED	36.0	15	0.01	1498
					LO SPEED	18.0	15	0.01	896
					IDLE DR		15	0.01	379
					IDLE NEU		15	0.01	113

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6042	1976	PLYM	VOLA	225	HI SPEED	26.0	55	0.10	4722
					LO SPEED	12.0	55	0.04	4216
					IDLE DR		180	2.40	379
					IDLE NEU		220	2.00	122
6043	1976	PLYM	VOLA	318	HI SPEED	26.0	40	0.01	1746
					LO SPEED	12.0	55	0.01	796
					IDLE DR		50	0.05	265
					IDLE NEU		90	0.04	157
6044	1976	PONT	LEMA	350	HI SPEED	31.0	35	0.03	2530
					LO SPEED	15.0	35	0.15	1189
					IDLE DR		30	0.03	568
					IDLE NEU		35	0.02	122
6045	1976	PONT	GRNP	400	HI SPEED	31.0	35	0.01	3542
					LO SPEED	15.0	32	0.01	2361
					IDLE DR		22	0.01	303
					IDLE NEU		25	0.01	108
6046	1976	DATS	B210	85	HI SPEED	21.0	110	0.11	3542
					LO SPEED	9.0	195	0.09	3204
					IDLE DR				
					IDLE NEU		105	0.53	86
6047	1976	DATS	PICK	119	HI SPEED	21.0	50	0.85	2108
					LO SPEED	9.0	80	1.00	1107
					IDLE DR		180	2.50	79
					IDLE NEU		90	1.10	59
6048	1976	TOYO	CORO	97	HI SPEED	21.0	90	0.20	2445
					LO SPEED	9.0	70	0.45	1346
					IDLE DR				
					IDLE NEU		67	1.20	51
6049	1976	TOYO	CELI	133	HI SPEED	26.0	50	0.16	2698
					LO SPEED	12.0	100	0.18	2698
					IDLE DR		155	0.60	196
					IDLE NEU		85	0.60	59

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6050	1976	VOLK	RABB	97	HI SPEED	21.0	35	0.00	1148
					LO SPEED	9.0	30	0.00	1045
					IDLE DR				
					IDLE NEU		25	0.00	63
6051	1976	VOLK	RABB	97	HI SPEED	21.0	30	0.05	1796
					LO SPEED	9.0	25	0.03	1423
					IDLE DR				
					IDLE NEU		15	0.02	88
6201	1976	AMC	HORN	304	HI SPEED	26.0	34	0.01	872
					LO SPEED	12.0	35	0.01	578
					IDLE DR		34	0.01	115
					IDLE NEU		32	0.01	80
6202	1976	AMC	STAW	258	HI SPEED	26.0	60	0.08	1024
					LO SPEED	12.0	70	0.10	896
					IDLE DR		90	0.06	341
					IDLE NEU		75	0.08	142
6203	1976	AMC	MATA	360	HI SPEED	31.0	20	0.01	1796
					LO SPEED	15.0	19	0.01	1366
					IDLE DR		16	0.01	159
					IDLE NEU		13	0.01	100
6204	1976	AMC	PACE	232	HI SPEED	26.0	45	0.32	1268
					LO SPEED	12.0	75	0.36	1229
					IDLE DR		155	0.20	492
					IDLE NEU		90	0.22	157
6205	1976	BUIC	CNTY	231	HI SPEED	31.0	30	0.05	1606
					LO SPEED	15.0	110	0.03	758
					IDLE DR		190	3.00	206
					IDLE NEU		165	3.00	53
6206	1976	BUIC	LESA	350	HI SPEED	31.0	20	0.01	2698
					LO SPEED	15.0	15	0.01	1308
					IDLE DR		10	0.01	227
					IDLE NEU		5	0.01	93

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6207	1976	BUIC	CNTY	350	HI SPEED	31.0	20	0.01	2361
					LO SPEED	15.0	20	0.01	1308
					IDLE DR		15	0.01	537
					IDLE NEU		15	0.01	132
6208	1976	BUIC	ELEC	455	HI SPEED	36.0	25	0.01	2361
					LO SPEED	18.0	30	0.01	896
					IDLE DR		20	0.01	246
					IDLE NEU		15	0.01	108
6209	1976	BUIC	CNTY	350	HI SPEED	31.0	19	0.01	1606
					LO SPEED	15.0	17	0.01	1385
					IDLE DR		15	0.01	322
					IDLE NEU		13	0.01	122
6210	1976	BUIC	CNTY	231	HI SPEED	31.0	35	0.01	2361
					LO SPEED	15.0	40	0.01	1746
					IDLE DR		155	3.40	284
					IDLE NEU		125	2.80	108
6211	1976	BUIC	SKYL	260	HI SPEED	26.0	40	0.01	1686
					LO SPEED	12.0	40	0.01	1855
					IDLE DR		30	0.01	896
					IDLE NEU		30	0.01	132
6212	1976	CADI	SEVI	350	HI SPEED	31.0	35	0.10	982
					LO SPEED	15.0	30	0.10	758
					IDLE DR		25	0.10	147
					IDLE NEU		35	0.10	77
6213	1976	CADI	DEVI	500	HI SPEED	36.0	18	0.01	1268
					LO SPEED	18.0	17	0.01	940
					IDLE DR		12	0.01	663
					IDLE NEU		19	0.01	181
6214	1976	CADI	ELDO	500	HI SPEED	36.0	20	0.00	1209
					LO SPEED	18.0	22	0.00	739
					IDLE DR		55	0.55	246
					IDLE NEU		65	0.45	52

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6215	1976	CADI	DEVI	500	HI SPEED	36.0	30	0.10	982
					LO SPEED	18.0	30	0.10	720
					IDLE DR		25	0.10	853
					IDLE NEU		25	0.10	201
6216	1976	CHEV	CHET	85	HI SPEED	21.0	45	0.01	2192
					LO SPEED	9.0	30	0.01	2361
					IDLE DR				
					IDLE NEU		120	2.80	88
6217	1976	CHEV	IMPA	350	HI SPEED	31.0	17	0.01	2004
					LO SPEED	15.0	15	0.01	606
					IDLE DR		12	0.01	682
					IDLE NEU		21	0.01	196
6218	1976	CHEV	MALI	305	HI SPEED	31.0	40	0.20	1624
					LO SPEED	15.0	35	0.03	1346
					IDLE DR		160	1.50	135
					IDLE NEU		200	2.50	108
6219	1976	CHEV	MONT	350	HI SPEED	31.0	25	0.01	3036
					LO SPEED	15.0	20	0.01	1066
					IDLE DR		75	0.85	265
					IDLE NEU		20	0.05	108
6220	1976	CHEV	NOVA	250	HI SPEED	26.0	60	0.01	809
					LO SPEED	12.0	70	0.01	2277
					IDLE DR		420	10.00	33
					IDLE NEU		490	10.00	25
6221	1976	CHEV	MONT	350	HI SPEED	31.0	25	0.01	2361
					LO SPEED	15.0	25	0.01	853
					IDLE DR		20	0.01	765
					IDLE NEU		20	0.01	167
6222	1976	CHEV	CAMA	305	HI SPEED	31.0	60	0.75	1346
					LO SPEED	15.0	40	0.02	1606
					IDLE DR		238	1.30	312
					IDLE NEU		190	1.30	61

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6223	1976	CHEV	CAPR	400	HI SPEED	31.0	28	0.36	1624
					LO SPEED	15.0	50	0.65	940
					IDLE DR		60	0.25	135
					IDLE NEU		17	0.00	100
6224	1976	CHEV	STAW	350	HI SPEED	31.0	35	0.02	1642
					LO SPEED	15.0	25	0.02	777
					IDLE DR		240	4.20	34
					IDLE NEU		230	4.20	29
6225	1976	CHEV	IMPA	400	HI SPEED	31.0	20	0.01	2867
					LO SPEED	15.0	20	0.01	1107
					IDLE DR		15	0.01	587
					IDLE NEU		15	0.01	122
6226	1976	CHEV	MONT	350	HI SPEED	31.0	20	0.01	2192
					LO SPEED	15.0	17	0.01	796
					IDLE DR		16	0.01	644
					IDLE NEU		17	0.01	127
6227	1976	CHEV	MONT	350	HI SPEED	31.0	25	0.01	2530
					LO SPEED	15.0	25	0.01	1107
					IDLE DR		20	0.01	682
					IDLE NEU		20	0.01	147
6228	1976	CHEV	VEGA	140	HI SPEED	21.0	60	0.01	2024
					LO SPEED	9.0	50	0.01	896
					IDLE DR				
					IDLE NEU		240	4.40	103
6229	1976	CHEV	MONZ	262	HI SPEED	26.0	53	0.01	2867
					LO SPEED	12.0	32	0.01	1107
					IDLE DR				
					IDLE NEU		26	0.01	206
6230	1976	CHEV	NOVA	350	HI SPEED	26.0	30	0.01	1989
					LO SPEED	12.0	25	0.20	682
					IDLE DR		18	0.00	436
					IDLE NEU		18	0.00	122

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6231	1976	CHEV	MALI	350	HI SPEED	31.0	20	0.01	1346
					LO SPEED	15.0	17	0.01	644
					IDLE DR		16	0.01	625
					IDLE NEU		15	0.01	152
6232	1976	CHEV	MALI	350	HI SPEED	31.0	25	0.01	2192
					LO SPEED	15.0	20	0.01	896
					IDLE DR		20	0.01	322
					IDLE NEU		20	0.01	98
6233	1976	CHEV	MONT	350	HI SPEED	31.0	20	0.01	2024
					LO SPEED	15.0	35	0.60	398
					IDLE DR		160	1.20	167
					IDLE NEU		100	0.50	73
6234	1976	CHEV	CAMA	305	HI SPEED	31.0	30	0.02	2698
					LO SPEED	15.0	27	0.01	1229
					IDLE DR		19	0.01	625
					IDLE NEU		20	0.01	137
6235	1976	CHEV	STAW	140	HI SPEED	26.0	45	0.08	2192
					LO SPEED	12.0	55	0.02	1606
					IDLE DR		240	4.20	122
					IDLE NEU		195	4.45	69
6236	1976	CHEV	MONT	350	HI SPEED	31.0	30	0.60	1107
					LO SPEED	15.0	100	2.00	549
					IDLE DR		160	1.80	172
					IDLE NEU		100	1.00	58
6237	1976	CHEV	NOVA	250	HI SPEED	26.0	19	0.00	940
					LO SPEED	12.0	20	0.00	1189
					IDLE DR		12	0.00	322
					IDLE NEU		21	0.00	77
6238	1976	CHEV	STAW	140	HI SPEED	26.0	25	0.02	1855
					LO SPEED	12.0	50	0.60	765
					IDLE DR		200	7.60	23
					IDLE NEU		200	7.40	21

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6239	1976	CHEV	NOVA	262	HI SPEED	26.0	40	0.62	1642
					LO SPEED	12.0	30	0.01	896
					IDLE DR		20	0.01	474
					IDLE NEU		22	0.01	108
6240	1976	CHRY	CORD	400	HI SPEED	31.0	23	0.03	3036
					LO SPEED	15.0	21	0.01	2277
					IDLE DR		22	0.01	176
					IDLE NEU		24	0.01	94
6241	1976	CHRY	NEWP	400	HI SPEED	36.0	25	0.10	891
					LO SPEED	18.0	20	0.13	701
					IDLE DR		120	2.10	176
					IDLE NEU		70	1.95	113
6242	1976	DODG	ASPE	360	HI SPEED	26.0	40	0.10	2530
					LO SPEED	12.0	40	0.10	1973
					IDLE DR		120	3.20	98
					IDLE NEU		110	3.00	79
6243	1976	DODG	CHAR	400	HI SPEED	31.0	30	0.10	675
					LO SPEED	15.0	40	0.12	455
					IDLE DR		135	1.50	93
					IDLE NEU		120	1.40	63
6244	1976	DODG	ASPE	225	HI SPEED	26.0	33	0.02	3120
					LO SPEED	12.0	40	0.15	1249
					IDLE DR		200	3.40	130
					IDLE NEU		150	3.30	95
6245	1976	DODG	CHAR	360	HI SPEED	31.0	30	0.42	982
					LO SPEED	15.0	20	0.01	929
					IDLE DR		40	0.18	55
					IDLE NEU		60	0.30	65
6246	1976	DODG	DART	318	HI SPEED	26.0	25	0.04	1169
					LO SPEED	12.0	105	0.01	663
					IDLE DR		420	0.06	341
					IDLE NEU		115	0.11	100

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6247	1976	DODG	DART	225	HI SPEED	26.0	47	0.02	1423
					LO SPEED	12.0	70	0.02	1268
					IDLE DR		215	2.85	379
					IDLE NEU		285	4.15	113
6248	1976	FORD	LTD	400	HI SPEED	31.0	35	0.02	1189
					LO SPEED	15.0	36	0.01	853
					IDLE DR		32	0.01	777
					IDLE NEU		90	0.01	231
6249	1976	FORD	ELIT	351	HI SPEED	31.0	75	0.20	1677
					LO SPEED	15.0	85	0.16	1711
					IDLE DR		70	0.10	474
					IDLE NEU		65	0.08	113
6250	1976	FORD	MAVE	250	HI SPEED	26.0	19	0.01	720
					LO SPEED	12.0	30	0.01	293
					IDLE DR		29	0.01	95
					IDLE NEU		20	0.01	44
6251	1976	FORD	STAW	460	HI SPEED	36.0	40	0.10	1189
					LO SPEED	18.0	35	0.10	1024
					IDLE DR		250	3.20	108
					IDLE NEU		320	2.60	59
6252	1976	FORD	STAW	140	HI SPEED	26.0	50	0.08	1498
					LO SPEED	12.0	50	0.06	940
					IDLE DR				
					IDLE NEU		35	0.03	44
6253	1976	FORD	GRAN	250	HI SPEED	26.0	25	0.01	1107
					LO SPEED	12.0	30	0.01	455
					IDLE DR		25	0.01	1308
					IDLE NEU		20	0.01	191
6254	1976	FORD	GRAN	302	HI SPEED	26.0	68	0.03	1479
					LO SPEED	12.0	70	0.02	875
					IDLE DR		75	0.02	663
					IDLE NEU		70	0.02	284

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6255	1976	FORD	STAW	140	HI SPEED	26.0	30	0.02	1686
					LO SPEED	12.0	60	0.01	982
					IDLE DR		35	0.01	68
					IDLE NEU		30	0.01	55
6256	1976	FORD	ELIT	351	HI SPEED	31.0	35	0.02	809
					LO SPEED	15.0	45	0.01	896
					IDLE DR		180	1.80	511
					IDLE NEU		140	1.40	117
6257	1976	FORD	MUST	171	HI SPEED	26.0	75	0.18	1878
					LO SPEED	12.0	70	0.12	1229
					IDLE DR				
					IDLE NEU		240	0.10	69
6258	1976	FORD	GRAN	250	HI SPEED	26.0	14	0.01	654
					LO SPEED	12.0	16	0.01	360
					IDLE DR		15	0.01	293
					IDLE NEU		13	0.01	108
6259	1976	FORD	PINT	140	HI SPEED	21.0	45	0.02	2024
					LO SPEED	9.0	55	0.01	982
					IDLE DR				
					IDLE NEU		35	0.01	63
6260	1976	FORD	STAW	400	HI SPEED	36.0	17	0.04	982
					LO SPEED	18.0	20	0.01	815
					IDLE DR		27	0.01	226
					IDLE NEU		24	0.01	94
6261	1976	FORD	TORI	351	HI SPEED	31.0	35	0.01	1107
					LO SPEED	15.0	35	0.01	720
					IDLE DR		30	0.01	176
					IDLE NEU		30	0.01	78
6262	1976	FORD	LTD	400	HI SPEED	31.0	13	0.01	673
					LO SPEED	15.0	15	0.01	360
					IDLE DR		22	0.01	284
					IDLE NEU		65	0.01	122

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6263	1976	FORD	MUST	171	HI SPEED	26.0	95	0.37	1385
					LO SPEED	12.0	98	0.25	1024
					IDLE DR				
					IDLE NEU		43	0.01	82
6264	1976	FORD	LTD	400	HI SPEED	31.0	50	0.01	1308
					LO SPEED	15.0	40	0.01	1066
					IDLE DR		35	0.01	630
					IDLE NEU		520	1.40	103
6265	1976	FORD	ELIT	351	HI SPEED	31.0	75	0.06	1498
					LO SPEED	15.0	80	0.04	1642
					IDLE DR		80	1.00	117
					IDLE NEU		40	0.36	58
6266	1976	FORD	GRAN	302	HI SPEED	26.0	75	0.02	1423
					LO SPEED	12.0	75	0.01	1148
					IDLE DR		60	0.01	675
					IDLE NEU		100	0.01	322
6267	1976	FORD	MUST	140	HI SPEED	26.0	28	0.02	2277
					LO SPEED	12.0	47	0.01	1003
					IDLE DR		23	0.00	91
					IDLE NEU		17	0.00	61
6268	1976	LINC	MRK4	460	HI SPEED	36.0	120	0.01	940
					LO SPEED	18.0	30	0.01	758
					IDLE DR		80	2.50	120
					IDLE NEU		170	2.50	79
6269	1976	LINC	MRK4	460	HI SPEED	36.0	100	1.20	511
					LO SPEED	18.0	70	0.05	398
					IDLE DR		160	0.05	246
					IDLE NEU		750	1.70	65
6270	1976	MERC	MONA	302	HI SPEED	26.0	60	0.07	1087
					LO SPEED	12.0	55	0.01	862
					IDLE DR		45	0.01	61
					IDLE NEU		200	6.00	39

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6271	1976	MERC	MARQ	400	HI SPEED	36.0	22	0.10	900
					LO SPEED	18.0	24	0.01	843
					IDLE DR		25	0.01	445
					IDLE NEU		52	0.01	196
6272	1976	MERC	MONA	302	HI SPEED	26.0	40	0.15	720
					LO SPEED	12.0	45	0.10	530
					IDLE DR		30	0.10	201
					IDLE NEU		40	0.10	88
6273	1976	MERC	MONG	400	HI SPEED	31.0	100	0.09	940
					LO SPEED	15.0	60	0.05	692
					IDLE DR		560	10.00	23
					IDLE NEU		1140	8.80	21
6274	1976	MERC	MONA	302	HI SPEED	26.0	45	0.06	940
					LO SPEED	12.0	50	0.02	765
					IDLE DR		35	0.01	227
					IDLE NEU		20	0.01	103
6275	1976	OLDS	CUTL	350	HI SPEED	31.0	120	0.02	1107
					LO SPEED	15.0	90	0.01	474
					IDLE DR		380	7.20	59
					IDLE NEU		480	5.60	29
6276	1976	OLDS	CUTL	350	HI SPEED	31.0	25	0.02	1423
					LO SPEED	15.0	30	0.01	765
					IDLE DR		25	0.01	167
					IDLE NEU		20	0.01	78
6277	1976	OLDS	OMEG	260	HI SPEED	26.0	110	0.01	1686
					LO SPEED	12.0	105	0.01	1268
					IDLE DR		95	0.01	720
					IDLE NEU		95	0.01	142
6278	1976	OLDS	CUTL	260	HI SPEED	31.0	20	0.01	2361
					LO SPEED	15.0	15	0.01	1571
					IDLE DR		15	0.01	303
					IDLE NEU		15	0.01	68

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6279	1976	OLDS	NNTY	455	HI SPEED	36.0	20	0.01	1498
					LO SPEED	18.0	20	0.01	982
					IDLE DR		15	0.01	167
					IDLE NEU		15	0.01	98
6280	1976	OLDS	CUTL	350	HI SPEED	31.0	25	0.01	1460
					LO SPEED	15.0	20	0.01	511
					IDLE DR		20	0.01	1066
					IDLE NEU		20	0.01	127
6281	1976	OLDS	STAW	350	HI SPEED	31.0	35	0.50	584
					LO SPEED	15.0	15	0.01	809
					IDLE DR		160	1.80	63
					IDLE NEU		30	0.01	35
6282	1976	OLDS	CUTL	350	HI SPEED	31.0	31	0.01	4048
					LO SPEED	15.0	32	0.01	3542
					IDLE DR		233	2.20	233
					IDLE NEU		315	1.54	80
6283	1976	OLDS	NNTY	455	HI SPEED	36.0	20	0.06	843
					LO SPEED	18.0	15	0.00	1209
					IDLE DR		10	0.00	303
					IDLE NEU		15	0.00	122
6284	1976	PLYM	STAW	318	HI SPEED	31.0	80	0.05	1534
					LO SPEED	15.0	90	0.04	815
					IDLE DR		600	10.00	37
					IDLE NEU		685	10.00	39
6285	1976	PLYM	VOLA	318	HI SPEED	26.0	80	0.04	1642
					LO SPEED	12.0	70	0.02	853
					IDLE DR		305	4.50	231
					IDLE NEU		355	3.90	103
6286	1976	PLYM	FURY	360	HI SPEED	31.0	40	0.20	2530
					LO SPEED	15.0	40	0.10	2361
					IDLE DR		140	3.30	88
					IDLE NEU		120	2.90	77

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6287	1976	PLYM	STAW	225	HI SPEED	31.0	80	0.12	1958
					LO SPEED	15.0	160	0.80	1423
					IDLE DR				
					IDLE NEU		358	8.00	51
6288	1976	PLYM	STAW	318	HI SPEED	31.0	40	0.01	1107
					LO SPEED	15.0	55	0.01	436
					IDLE DR		320	6.50	78
					IDLE NEU		400	6.00	52
6289	1976	PLYM	VOLA	225	HI SPEED	26.0	50	0.10	4891
					LO SPEED	12.0	60	0.10	5397
					IDLE DR		340	7.80	122
					IDLE NEU		380	7.00	98
6290	1976	PLYM	VOLA	225	HI SPEED	26.0	45	0.03	5397
					LO SPEED	12.0	43	0.02	4722
					IDLE DR		195	2.40	303
					IDLE NEU		200	2.10	127
6291	1976	PONT	STAW	140	HI SPEED	26.0	80	0.05	2530
					LO SPEED	12.0	240	2.00	1534
					IDLE DR				
					IDLE NEU		1520	10.00	17
6292	1976	PONT	CATA	400	HI SPEED	31.0	65	0.04	2024
					LO SPEED	15.0	80	0.10	1066
					IDLE DR		320	6.80	51
					IDLE NEU		320	7.40	29
6293	1976	PONT	LEMA	350	HI SPEED	31.0	70	2.00	1878
					LO SPEED	15.0	27	0.15	1189
					IDLE DR		20	0.01	1779
					IDLE NEU		18	0.01	606
6294	1976	PONT	VENT	260	HI SPEED	26.0	25	0.01	1606
					LO SPEED	12.0	20	0.01	675
					IDLE DR		15	0.01	549
					IDLE NEU		15	0.01	142

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6295	1976	PONT	BONN	400	HI SPEED	36.0	25	0.10	982
					LO SPEED	18.0	20	0.10	379
					IDLE DR		20	0.10	79
					IDLE NEU		20	0.10	59
6296	1976	PONT	GRNP	350	HI SPEED	31.0	25	0.10	530
					LO SPEED	15.0	25	0.10	360
					IDLE DR		20	0.21	49
					IDLE NEU		20	0.10	51
6297	1976	PONT	LEMA	350	HI SPEED	31.0	20	0.01	2277
					LO SPEED	15.0	15	0.01	2004
					IDLE DR		12	0.01	815
					IDLE NEU		12	0.00	137
6298	1976	PONT	VENT	250	HI SPEED	26.0	27	0.01	1066
					LO SPEED	12.0	30	0.01	1973
					IDLE DR				
					IDLE NEU		23	0.01	137
6299	1976	CAPR	GHIA	140	HI SPEED	26.0	27	0.06	1024
					LO SPEED	12.0	37	0.05	436
					IDLE DR		35	0.01	88
					IDLE NEU		45	0.01	61
6300	1976	COLT	SEDA	97	HI SPEED	21.0	70	0.80	2192
					LO SPEED	9.0	60	0.48	1534
					IDLE DR		480	3.10	157
					IDLE NEU		290	2.80	98
6301	1976	DATS	B210	85	HI SPEED	21.0	60	0.62	1910
					LO SPEED	9.0	70	0.20	1308
					IDLE DR		100	0.38	98
					IDLE NEU		120	0.35	83
6302	1976	DATS	STAW	119	HI SPEED	21.0	100	0.01	3204
					LO SPEED	9.0	60	0.01	1189
					IDLE DR				
					IDLE NEU		80	0.01	73

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6303	1976	DATS	B210	85	HI SPEED	21.0	60	0.04	2530
					LO SPEED	9.0	50	0.06	1346
					IDLE DR				
					IDLE NEU		35	0.01	15
6304	1976	FIAT	X1/9	79	HI SPEED	21.0	95	1.86	1498
					LO SPEED	9.0	50	0.57	492
					IDLE DR				
					IDLE NEU		140	2.15	69
6305	1976	FIAT	124	107	HI SPEED	21.0	20	0.60	1308
					LO SPEED	9.0	20	0.40	537
					IDLE DR				
					IDLE NEU		20	0.40	59
6306	1976	HOND	CIVI	76	HI SPEED	21.0	40	1.20	1694
					LO SPEED	9.0	150	2.20	1423
					IDLE DR				
					IDLE NEU		80	1.30	55
6307	1976	HOND	CIVI	91	HI SPEED	21.0	30	0.20	3036
					LO SPEED	9.0	40	0.30	2867
					IDLE DR				
					IDLE NEU		110	0.50	122
6308	1976	MAZD	MIZE	78	HI SPEED	21.0	40	0.01	3542
					LO SPEED	9.0	37	0.01	2783
					IDLE DR				
					IDLE NEU		150	1.50	184
6309	1976	TOYO	CELI	133	HI SPEED	26.0	48	0.31	2698
					LO SPEED	12.0	100	1.20	1624
					IDLE DR				
					IDLE NEU		40	0.69	52
6310	1976	TOYO	CORO	97	HI SPEED	21.0	38	0.26	1910
					LO SPEED	9.0	140	0.30	1910
					IDLE DR		140	2.20	63
					IDLE NEU		65	0.82	54

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6311	1976	TOYO	CELI	133	HI SPEED	26.0	50	0.10	3204
					LO SPEED	12.0	50	1.30	1624
					IDLE DR				
					IDLE NEU		45	0.13	34
6312	1976	TOYO	STAW	97	HI SPEED	21.0	65	0.25	1989
					LO SPEED	9.0	80	0.60	1148
					IDLE DR				
					IDLE NEU		120	1.10	49
6313	1976	VOLK	STAW	97	HI SPEED	21.0	95	0.28	4048
					LO SPEED	9.0	85	0.35	2192
					IDLE DR				
					IDLE NEU		105	2.40	127
6314	1976	VOLK	RABB	97	HI SPEED	21.0	55	0.05	606
					LO SPEED	9.0	60	0.50	75
					IDLE DR		250	8.90	7
					IDLE NEU		640	10.00	1
6315	1976	VOLK	SEDA	97	HI SPEED	21.0	140	1.10	2192
					LO SPEED	9.0	140	0.30	982
					IDLE DR				
					IDLE NEU		120	2.40	117
6316	1976	VOLV	264G	163	HI SPEED	26.0	90	0.02	1534
					LO SPEED	12.0	97	0.02	730
					IDLE DR		415	0.02	75
					IDLE NEU		265	0.02	25
5052	1975	AMC	STAW	258	HI SPEED	26.0	80	0.15	4048
					LO SPEED	12.0	140	0.19	2867
					IDLE DR		140	0.33	322
					IDLE NEU		95	0.40	162
5053	1975	BUIC	CNTY	350	HI SPEED	31.0	30	0.08	2024
					LO SPEED	15.0	40	0.10	1534
					IDLE DR		40	0.01	157
					IDLE NEU		40	0.42	51

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5054	1975	BUIC	LESA	350	HI SPEED	31.0	30	0.01	1855
					LO SPEED	15.0	100	1.80	675
					IDLE DR		140	5.00	113
					IDLE NEU		100	5.20	78
5055	1975	CADI	DEVI	500	HI SPEED	36.0	80	0.40	3204
					LO SPEED	18.0	120	1.40	2867
					IDLE DR		420	8.40	58
					IDLE NEU		820	8.00	25
5056	1975	CHEV	VEGA	140	HI SPEED	21.0	50	0.05	3879
					LO SPEED	9.0	60	0.04	3204
					IDLE DR				
					IDLE NEU		140	2.40	113
5057	1975	CHEV	MONT	350	HI SPEED	31.0	20	0.02	1779
					LO SPEED	15.0	25	0.02	739
					IDLE DR		20	0.02	83
					IDLE NEU		20	0.02	77
5058	1975	CHEV	IMPA	350	HI SPEED	31.0	45	0.01	1642
					LO SPEED	15.0	35	0.01	663
					IDLE DR		260	2.20	98
					IDLE NEU		180	2.00	25
5059	1975	CHEV	CAPR	400	HI SPEED	31.0	26	0.01	1746
					LO SPEED	15.0	28	0.01	1571
					IDLE DR		32	0.01	122
					IDLE NEU		30	0.01	59
5060	1975	CHEV	NOVA	250	HI SPEED	26.0	60	0.01	1423
					LO SPEED	12.0	50	0.01	2192
					IDLE DR		340	5.40	65
					IDLE NEU		500	5.40	35
5061	1975	CHRY	NEWP	400	HI SPEED	31.0	80	1.00	1308
					LO SPEED	15.0	25	0.01	1423
					IDLE DR		160	4.40	147
					IDLE NEU		140	4.40	69

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5062	1975	DODG	DART	318	HI SPEED	26.0	110	0.18	3204
					LO SPEED	12.0	180	0.22	2698
					IDLE DR		280	8.00	88
					IDLE NEU		215	7.00	77
5063	1975	FORD	STAW	140	HI SPEED	26.0	120	0.20	1746
					LO SPEED	12.0	160	0.10	1779
					IDLE DR				
					IDLE NEU		70	0.10	59
5064	1975	FORD	STAW	351	HI SPEED	31.0	35	0.10	1606
					LO SPEED	15.0	20	0.10	417
					IDLE DR		35	0.20	172
					IDLE NEU		50	0.25	80
5065	1975	FORD	LTD	400	HI SPEED	31.0	60	0.25	1423
					LO SPEED	15.0	60	0.25	502
					IDLE DR		120	0.80	113
					IDLE NEU		180	0.55	69
5066	1975	FORD	GRAN	250	HI SPEED	26.0	35	0.01	1686
					LO SPEED	12.0	35	0.01	765
					IDLE DR				
					IDLE NEU		30	0.01	47
5067	1975	FORD	GRAN	302	HI SPEED	26.0	160	0.50	3204
					LO SPEED	12.0	160	0.20	1855
					IDLE DR		280	4.20	172
					IDLE NEU		240	4.00	83
5068	1975	MERC	MARQ	460	HI SPEED	36.0	25	0.45	2530
					LO SPEED	18.0	30	0.50	1624
					IDLE DR		30	1.75	88
					IDLE NEU		170	7.10	53
5069	1975	OLDS	CUTL	350	HI SPEED	31.0	20	0.01	1229
					LO SPEED	15.0	20	0.01	940
					IDLE DR		10	0.01	284
					IDLE NEU		40	0.01	74

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5070	1975	OLDS	DELT	455	HI SPEED	31.0	38	0.01	982
					LO SPEED	15.0	38	0.01	492
					IDLE DR		38	0.01	137
					IDLE NEU		38	0.01	77
5071	1975	PLYM	VALI	225	HI SPEED	26.0	30	0.01	3036
					LO SPEED	12.0	34	0.01	2614
					IDLE DR		25	0.01	312
					IDLE NEU		23	0.01	120
5072	1975	PLYM	VALI	318	HI SPEED	26.0	20	0.02	540
					LO SPEED	12.0	50	0.02	1796
					IDLE DR		25	0.02	147
					IDLE NEU		22	0.02	86
5073	1975	PONT	STAW	400	HI SPEED	36.0	35	0.23	1308
					LO SPEED	18.0	45	0.23	1779
					IDLE DR		300	3.50	59
					IDLE NEU		550	2.50	51
5074	1975	PONT	CATA	400	HI SPEED	31.0	45	0.05	1677
					LO SPEED	15.0	135	1.70	1268
					IDLE DR		205	1.90	191
					IDLE NEU		245	2.00	71
5075	1975	DATS	SEDA	85	HI SPEED	21.0	100	0.60	3542
					LO SPEED	9.0	160	0.26	3036
					IDLE DR				
					IDLE NEU		100	0.80	68
5076	1975	TOYO	CORO	133	HI SPEED	26.0	40	0.11	2530
					LO SPEED	12.0	60	0.13	2361
					IDLE DR		50	1.60	113
					IDLE NEU		35	0.52	69
5077	1975	TOYO	CORO	133	HI SPEED	26.0	53	0.13	2530
					LO SPEED	12.0	100	0.25	2192
					IDLE DR				
					IDLE NEU		45	0.83	61

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5078	1975	VOLK	RABB	90	HI SPEED	21.0	120	2.05	1813
					LO SPEED	9.0	135	1.80	1677
					IDLE DR				
					IDLE NEU		55	0.67	77
5079	1975	VOLK	RABB	90	HI SPEED	21.0	35	0.10	2361
					LO SPEED	9.0	35	0.10	1973
					IDLE DR				
					IDLE NEU		20	0.10	73
5317	1975	AMC	HORN	304	HI SPEED	26.0	25	0.03	1268
					LO SPEED	12.0	22	0.03	1534
					IDLE DR		15	0.02	152
					IDLE NEU		30	0.02	122
5318	1975	BUIC	LESA	350	HI SPEED	31.0	40	0.80	1066
					LO SPEED	15.0	80	2.00	436
					IDLE DR		35	0.01	208
					IDLE NEU		35	0.01	88
5319	1976	CADI	SEVI	350	HI SPEED	31.0	15	0.01	896
					LO SPEED	15.0	20	0.01	284
					IDLE DR		15	0.01	57
					IDLE NEU		10	0.01	63
5320	1975	CHEV	STAW	140	HI SPEED	26.0	25	0.15	1942
					LO SPEED	12.0	165	1.90	1385
					IDLE DR		195	2.50	216
					IDLE NEU		140	2.80	88
5321	1975	CHEV	CAMA	350	HI SPEED	31.0	20	0.01	1677
					LO SPEED	15.0	20	0.01	853
					IDLE DR		35	0.01	88
					IDLE NEU		35	0.01	31
5322	1975	CHEV	NOVA	262	HI SPEED	26.0	30	0.01	1148
					LO SPEED	12.0	25	0.01	765
					IDLE DR		20	0.01	549
					IDLE NEU		20	0.01	93

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5323	1975	CHEV	MONT	350	HI SPEED	31.0	130	1.25	2530
					LO SPEED	15.0	120	1.10	1308
					IDLE DR		255	2.30	147
					IDLE NEU		165	2.50	39
5324	1975	CHEV	MONT	454	HI SPEED	31.0	20	0.01	1423
					LO SPEED	15.0	25	0.01	896
					IDLE DR		20	0.01	55
					IDLE NEU		20	0.01	51
5325	1975	DODG	DART	225	HI SPEED	26.0	80	0.02	1973
					LO SPEED	12.0	75	0.02	1711
					IDLE DR		230	7.20	89
					IDLE NEU		210	7.60	76
5326	1975	FORD	STAW	171	HI SPEED	26.0	40	0.16	1910
					LO SPEED	12.0	61	0.11	1763
					IDLE DR		48	0.02	169
					IDLE NEU		35	0.01	87
5327	1975	FORD	LTD	400	HI SPEED	31.0	10	0.10	1066
					LO SPEED	15.0	10	0.16	227
					IDLE DR		15	0.60	360
					IDLE NEU		10	0.14	117
5328	1975	FORD	TORI	351	HI SPEED	31.0	65	0.08	1442
					LO SPEED	15.0	65	0.08	711
					IDLE DR		135	0.05	122
					IDLE NEU		140	0.08	49
5329	1975	LINC	CONT	460	HI SPEED	36.0	40	0.28	1642
					LO SPEED	18.0	38	0.31	786
					IDLE DR		75	1.78	95
					IDLE NEU		41	0.90	62
5330	1975	MERC	MONA	302	HI SPEED	26.0	50	0.08	1189
					LO SPEED	12.0	60	0.02	1148
					IDLE DR		40	0.01	227
					IDLE NEU		40	0.01	98

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5331	1975	OLDS	OMEG	350	HI SPEED	26.0	20	0.01	1404
					LO SPEED	12.0	25	0.01	682
					IDLE DR		30	0.01	96
					IDLE NEU		75	0.01	51
5332	1975	OLDS	DELT	350	HI SPEED	31.0	120	1.40	1148
					LO SPEED	15.0	50	0.01	1066
					IDLE DR		340	3.20	117
					IDLE NEU		700	2.60	33
5333	1975	PLYM	GRNF	360	HI SPEED	31.0	35	0.50	1423
					LO SPEED	15.0	25	0.01	1642
					IDLE DR		45	0.48	110
					IDLE NEU		60	0.75	83
5334	1975	PONT	LEMA	250	HI SPEED	31.0	20	0.01	1686
					LO SPEED	15.0	20	0.01	1346
					IDLE DR		25	0.01	284
					IDLE NEU		20	0.01	78
5335	1975	DATS	710	119	HI SPEED	21.0	90	0.90	2192
					LO SPEED	9.0	140	0.68	1711
					IDLE DR		195	0.52	211
					IDLE NEU		97	0.13	108
5336	1975	FIAT	124	107	HI SPEED	21.0	225	1.70	1346
					LO SPEED	9.0	160	2.80	208
					IDLE DR				
					IDLE NEU		1570	10.00	19
5337	1975	HOND	CIVI	91	HI SPEED	21.0	25	0.12	2024
					LO SPEED	9.0	25	0.14	1066
					IDLE DR				
					IDLE NEU		100	0.18	83
5338	1975	MAZD	COUP	97	HI SPEED	21.0	25	0.09	549
					LO SPEED	9.0	35	0.07	206
					IDLE DR				
					IDLE NEU		40	0.75	45

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4080	1974	AMC	MATA	304	HI SPEED	31.0	160	0.45	2951
					LO SPEED	15.0	170	0.24	2530
					IDLE DR		275	3.55	117
					IDLE NEU		155	1.80	105
4081	1974	BUIC	ELEC	455	HI SPEED	36.0	98	0.48	2951
					LO SPEED	18.0	120	0.23	2361
					IDLE DR		100	0.15	379
					IDLE NEU		60	0.12	122
4082	1974	CADI	DEVI	472	HI SPEED	36.0	150	0.25	815
					LO SPEED	18.0	165	0.85	587
					IDLE DR		730	1.45	94
					IDLE NEU		765	1.30	57
4083	1974	CHEV	VEGA	140	HI SPEED	21.0	60	0.50	1571
					LO SPEED	9.0	190	1.80	1746
					IDLE DR		365	7.60	147
					IDLE NEU		260	7.50	98
4084	1974	CHEV	MONT	350	HI SPEED	31.0	45	0.65	1677
					LO SPEED	15.0	50	1.30	682
					IDLE DR		100	3.30	53
					IDLE NEU		45	2.00	47
4085	1974	CHEV	NOVA	250	HI SPEED	26.0	80	0.65	1694
					LO SPEED	12.0	120	0.25	1107
					IDLE DR				
					IDLE NEU		80	1.40	44
4086	1974	CHEV	NOVA	350	HI SPEED	26.0	40	0.32	982
					LO SPEED	12.0	70	0.40	322
					IDLE DR		95	0.07	201
					IDLE NEU		70	0.08	75
4087	1974	CHEV	IMPA	350	HI SPEED	31.0	240	1.00	1066
					LO SPEED	15.0	300	0.35	474
					IDLE DR		540	0.10	79
					IDLE NEU		480	0.10	41

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4088	1974	CHEV	CAPR	400	HI SPEED	31.0	30	0.18	502
					LO SPEED	15.0	50	0.30	238
					IDLE DR		100	0.30	80
					IDLE NEU		55	0.22	43
4089	1974	CHRY	STAW	440	HI SPEED	36.0	90	0.75	2530
					LO SPEED	18.0	150	1.65	1763
					IDLE DR		170	3.85	88
					IDLE NEU		145	3.45	69
4090	1974	DODG	MONA	360	HI SPEED	31.0	160	0.95	3710
					LO SPEED	15.0	295	1.55	2530
					IDLE DR		960	10.00	39
					IDLE NEU		1140	10.00	27
4091	1974	FORD	PINT	122	HI SPEED	21.0	90	0.31	5734
					LO SPEED	9.0	180	2.10	3373
					IDLE DR				
					IDLE NEU		110	1.60	1942
4092	1974	FORD	MAVE	302	HI SPEED	26.0	160	1.40	1686
					LO SPEED	12.0	100	0.80	809
					IDLE DR		260	4.00	83
					IDLE NEU		100	1.20	78
4093	1974	FORD	MAVE	250	HI SPEED	26.0	120	0.85	2867
					LO SPEED	12.0	170	1.80	1308
					IDLE DR		319	9.00	74
					IDLE NEU		260	8.50	62
4094	1974	FORD	LTD	400	HI SPEED	31.0	125	0.24	3542
					LO SPEED	15.0	50	0.16	1229
					IDLE DR		240	2.40	162
					IDLE NEU		140	2.00	88
4095	1974	FORD	LTD	351	HI SPEED	31.0	140	0.50	3204
					LO SPEED	15.0	180	0.25	3204
					IDLE DR		265	5.20	132
					IDLE NEU		175	4.60	94

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4096	1974	MERC	COME	302	HI SPEED	26.0	180	0.70	1973
					LO SPEED	12.0	220	0.50	1268
					IDLE DR				
					IDLE NEU		140	0.80	103
4097	1974	OLDS	CUTL	350	HI SPEED	31.0	80	0.16	1571
					LO SPEED	15.0	200	0.40	1642
					IDLE DR		80	0.20	127
					IDLE NEU		75	0.40	83
4098	1974	OLDS	NNTY	455	HI SPEED	36.0	25	0.10	1442
					LO SPEED	18.0	60	0.30	940
					IDLE DR		35	0.12	221
					IDLE NEU		25	0.15	122
4099	1974	PLYM	SATE	318	HI SPEED	31.0	120	0.20	2530
					LO SPEED	15.0	185	0.47	3036
					IDLE DR		160	2.10	167
					IDLE NEU		130	2.00	108
4100	1974	PLYM	DUST	225	HI SPEED	26.0	130	0.70	4891
					LO SPEED	12.0	300	1.20	4385
					IDLE DR		480	10.00	44
					IDLE NEU		460	10.00	23
4101	1974	PONT	LEMA	350	HI SPEED	31.0	120	0.35	3879
					LO SPEED	15.0	190	1.40	2361
					IDLE DR		310	4.30	108
					IDLE NEU		375	6.20	69
4102	1974	DATS	STAW	119	HI SPEED	21.0	45	0.35	1779
					LO SPEED	9.0	50	0.30	815
					IDLE DR				
					IDLE NEU		55	0.68	73
4103	1974	TOYO	CORO	97	HI SPEED	21.0	115	0.20	3710
					LO SPEED	9.0	105	0.65	1268
					IDLE DR				
					IDLE NEU		195	3.00	41

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4104	1974	TOYO	CORO	120	HI SPEED	21.0	60	0.18	2361
					LO SPEED	9.0	65	0.16	1571
					IDLE DR		300	3.30	231
					IDLE NEU		210	3.00	113
4105	1974	VOLK	SEDA	97	HI SPEED	21.0	140	0.20	3710
					LO SPEED	9.0	180	0.30	3204
					IDLE DR				
					IDLE NEU		270	6.40	98
4106	1974	VOLK	SEDA	97	HI SPEED	21.0	85	0.15	2783
					LO SPEED	9.0	105	0.36	1087
					IDLE DR				
					IDLE NEU		100	2.70	127
4339	1974	AMC	HORN	258	HI SPEED	26.0	55	0.03	961
					LO SPEED	12.0	53	0.03	455
					IDLE DR		190	5.00	83
					IDLE NEU		179	4.90	54
4340	1974	BUIC	REGA	350	HI SPEED	31.0	35	0.12	796
					LO SPEED	15.0	60	0.28	455
					IDLE DR		95	2.20	77
					IDLE NEU		50	1.10	55
4341	1974	BUIC	CNTY	350	HI SPEED	31.0	32	0.75	1249
					LO SPEED	15.0	50	0.72	426
					IDLE DR		67	0.80	103
					IDLE NEU		37	0.35	63
4342	1974	CHEV	MALI	350	HI SPEED	31.0	20	0.40	1346
					LO SPEED	15.0	40	0.84	360
					IDLE DR		50	2.20	69
					IDLE NEU		35	1.35	49
4343	1974	CHEV	IMPA	350	HI SPEED	31.0	45	0.41	2361
					LO SPEED	15.0	82	1.35	1128
					IDLE DR		80	3.80	76
					IDLE NEU		30	1.10	65

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4344	1974	CHEV	IMPA	350	HI SPEED	31.0	80	1.00	1571
					LO SPEED	15.0	80	0.50	896
					IDLE DR		110	2.50	61
					IDLE NEU		110	2.00	55
4345	1974	CHEV	STAW	400	HI SPEED	36.0	80	0.55	1878
					LO SPEED	18.0	140	0.70	1746
					IDLE DR		320	8.00	74
					IDLE NEU		290	8.00	54
4346	1974	CHEV	VEGA	140	HI SPEED	21.0	130	0.35	2698
					LO SPEED	9.0	100	0.30	1189
					IDLE DR				
					IDLE NEU		240	8.80	69
4347	1974	DODG	DART	225	HI SPEED	26.0	210	1.40	3373
					LO SPEED	12.0	280	1.40	2951
					IDLE DR		360	7.90	82
					IDLE NEU		330	7.90	64
4348	1974	DODG	DART	318	HI SPEED	31.0	120	0.24	2530
					LO SPEED	15.0	230	1.40	2783
					IDLE DR		180	1.30	167
					IDLE NEU		150	0.55	88
4349	1974	FORD	TORI	351	HI SPEED	31.0	120	1.15	2698
					LO SPEED	15.0	95	0.35	1366
					IDLE DR		160	6.00	98
					IDLE NEU		130	5.50	89
4350	1974	FORD	LTD	400	HI SPEED	31.0	110	0.15	2277
					LO SPEED	15.0	90	0.17	982
					IDLE DR		200	0.18	132
					IDLE NEU		180	0.30	82
4351	1974	FORD	THND	460	HI SPEED	36.0	140	3.20	1606
					LO SPEED	18.0	160	4.00	492
					IDLE DR		200	8.20	77
					IDLE NEU		160	8.00	63

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4352	1974	FORD	PINT	140	HI SPEED	21.0	115	0.30	3626
					LO SPEED	9.0	230	1.75	1552
					IDLE DR		290	9.50	70
					IDLE NEU		245	9.50	60
4353	1974	LINC	CONT	460	HI SPEED	36.0	120	2.00	2530
					LO SPEED	18.0	130	1.60	1346
					IDLE DR		230	9.00	79
					IDLE NEU		200	8.60	63
4354	1974	MERC	MONR	400	HI SPEED	36.0	280	0.28	3036
					LO SPEED	18.0	220	0.30	1308
					IDLE DR		310	5.60	147
					IDLE NEU		250	4.50	88
4355	1974	OLDS	CUTL	350	HI SPEED	31.0	60	0.60	1686
					LO SPEED	15.0	100	1.00	1066
					IDLE DR		100	0.90	167
					IDLE NEU		100	1.00	93
4356	1974	PLYM	VALI	318	HI SPEED	26.0	150	0.20	1973
					LO SPEED	12.0	220	0.25	2867
					IDLE DR		180	4.20	117
					IDLE NEU		150	3.90	73
4357	1974	PONT	BONN	400	HI SPEED	31.0	95	0.53	1229
					LO SPEED	15.0	98	0.35	426
					IDLE DR		220	1.60	265
					IDLE NEU		360	1.70	83
4358	1974	PONT	FIRE	350	HI SPEED	31.0	160	1.20	2867
					LO SPEED	15.0	240	2.00	2361
					IDLE DR		340	1.80	157
					IDLE NEU		300	2.80	93
4359	1974	CAPR	COUP	122	HI SPEED	21.0	110	0.15	3373
					LO SPEED	9.0	150	0.20	1694
					IDLE DR				
					IDLE NEU		170	4.30	56

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4360	1974	DATS	SEDA	79	HI SPEED	21.0	80	0.20	2698
					LO SPEED	9.0	140	0.80	1066
					IDLE DR		200	1.00	246
					IDLE NEU		160	1.50	127
4361	1974	MAZD	RX2	70	HI SPEED	26.0	430	2.20	739
					LO SPEED	12.0	720	3.70	240
					IDLE DR				
					IDLE NEU		1550	4.30	21
3107	1973	AMC	GREM	232	HI SPEED	26.0	60	0.15	2108
					LO SPEED	12.0	110	0.15	1479
					IDLE DR				
					IDLE NEU		360	8.00	48
3108	1973	BUIC	RIVI	455	HI SPEED	31.0	20	0.35	739
					LO SPEED	15.0	32	0.18	303
					IDLE DR		36	0.11	110
					IDLE NEU		110	0.12	59
3109	1973	BUIC	CNTY	350	HI SPEED	31.0	75	0.16	3036
					LO SPEED	15.0	105	0.11	2530
					IDLE DR		100	0.60	265
					IDLE NEU		55	0.21	84
3110	1973	CADI	DEVI	472	HI SPEED	36.0	90	0.53	1534
					LO SPEED	18.0	110	1.60	853
					IDLE DR		58	1.20	80
					IDLE NEU		40	0.38	69
3111	1973	CHEV	VEGA	140	HI SPEED	21.0	95	0.20	2445
					LO SPEED	9.0	150	0.50	1729
					IDLE DR				
					IDLE NEU		100	0.25	137
3112	1973	CHEV	NOVA	350	HI SPEED	26.0	80	1.00	1288
					LO SPEED	12.0	230	3.30	233
					IDLE DR		232	6.90	46
					IDLE NEU		65	3.20	49

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3113	1973	CHEV	NOVA	350	HI SPEED	26.0	75	0.16	940
					LO SPEED	12.0	25	0.17	216
					IDLE DR		30	0.33	64
					IDLE NEU		15	0.21	47
3114	1973	CHEV	IMPA	350	HI SPEED	31.0	60	0.48	2698
					LO SPEED	15.0	110	1.35	1346
					IDLE DR		105	2.30	108
					IDLE NEU		45	0.80	77
3115	1973	CHEV	IMPA	350	HI SPEED	31.0	55	1.20	1346
					LO SPEED	15.0	70	1.02	663
					IDLE DR		100	1.70	71
					IDLE NEU		45	0.80	57
3116	1973	DODG	DART	225	HI SPEED	26.0	150	1.30	3963
					LO SPEED	12.0	220	1.05	2698
					IDLE DR		358	9.20	98
					IDLE NEU		268	7.00	117
3117	1973	FORD	STAW	122	HI SPEED	21.0	80	0.20	2951
					LO SPEED	9.0	180	0.45	2698
					IDLE DR		370	2.75	80
					IDLE NEU		235	1.70	49
3118	1973	FORD	TORI	351	HI SPEED	31.0	40	0.25	1024
					LO SPEED	15.0	80	0.65	587
					IDLE DR		210	6.90	82
					IDLE NEU		165	7.50	65
3119	1973	FORD	MAVE	302	HI SPEED	26.0	145	0.32	2698
					LO SPEED	12.0	160	0.20	1534
					IDLE DR		395	5.65	90
					IDLE NEU		320	5.20	67
3120	1973	FORD	GALA	351	HI SPEED	31.0	160	0.70	3879
					LO SPEED	15.0	220	1.00	2530
					IDLE DR		270	7.00	113
					IDLE NEU		200	7.00	90

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3121	1973	FORD	LTD	400	HI SPEED	31.0	120	0.60	3204
					LO SPEED	15.0	120	0.20	2361
					IDLE DR		200	2.80	152
					IDLE NEU		140	2.40	93
3122	1973	MERC	MONR	400	HI SPEED	31.0	60	1.20	1571
					LO SPEED	15.0	70	0.65	1268
					IDLE DR		155	2.50	172
					IDLE NEU		85	2.30	108
3123	1973	OLDS	STAW	455	HI SPEED	36.0	50	0.13	4216
					LO SPEED	18.0	110	0.40	2867
					IDLE DR		65	0.07	176
					IDLE NEU		70	0.08	98
3124	1973	OLDS	CUTL	350	HI SPEED	31.0	130	0.14	2867
					LO SPEED	15.0	220	0.40	2867
					IDLE DR		180	1.00	147
					IDLE NEU		140	0.80	88
3125	1973	PLYM	SATE	318	HI SPEED	31.0	220	1.32	2530
					LO SPEED	15.0	295	1.23	1571
					IDLE DR		290	3.63	86
					IDLE NEU		330	3.00	113
3126	1973	PLYM	DUST	225	HI SPEED	26.0	160	1.55	3204
					LO SPEED	12.0	225	1.80	2698
					IDLE DR				
					IDLE NEU		325	8.70	73
3127	1973	PONT	BONN	400	HI SPEED	31.0	60	0.25	891
					LO SPEED	15.0	135	0.70	606
					IDLE DR		460	8.50	55
					IDLE NEU		470	8.80	41
3128	1973	PONT	CATA	350	HI SPEED	31.0	140	0.50	4216
					LO SPEED	15.0	240	1.40	2867
					IDLE DR		160	1.00	208
					IDLE NEU		120	2.20	108

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3129	1973	DATS	PICK	97	HI SPEED	21.0	180	0.16	2361
					LO SPEED	9.0	160	0.14	1346
					IDLE DR				
					IDLE NEU		1200	1.20	108
3130	1973	OPEL	MANT	116	HI SPEED	21.0	75	0.30	1910
					LO SPEED	9.0	95	1.19	918
					IDLE DR				
					IDLE NEU		110	4.50	79
3131	1973	TOYO	CARI	97	HI SPEED	21.0	190	0.65	3710
					LO SPEED	9.0	210	0.85	2108
					IDLE DR				
					IDLE NEU		520	9.80	58
3132	1973	VOLK	SEDA	103	HI SPEED	21.0	160	0.80	4216
					LO SPEED	9.0	220	1.80	2361
					IDLE DR		180	3.60	108
					IDLE NEU		460	5.20	25
3133	1973	VOLK	SEDA	97	HI SPEED	21.0	130	0.25	5228
					LO SPEED	9.0	180	0.85	3373
					IDLE DR				
					IDLE NEU		140	1.10	127
3362	1973	BUIC	CNTY	350	HI SPEED	31.0	40	0.50	1148
					LO SPEED	15.0	120	1.80	455
					IDLE DR		140	2.40	103
					IDLE NEU		60	0.80	57
3363	1973	BUIC	ELEC	455	HI SPEED	36.0	30	0.35	940
					LO SPEED	18.0	50	0.25	360
					IDLE DR		70	1.30	147
					IDLE NEU		60	0.95	83
3364	1973	CHEV	STAW	400	HI SPEED	36.0	23	0.46	511
					LO SPEED	18.0	43	0.09	360
					IDLE DR		100	3.20	35
					IDLE NEU		60	2.35	33

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3365	1973	CHEV	STAW	140	HI SPEED	21.0	180	1.00	3036
					LO SPEED	9.0	220	1.60	1942
					IDLE DR				
					IDLE NEU		260	6.20	108
3366	1973	CHEV	CAMA	350	HI SPEED	26.0	90	0.15	3036
					LO SPEED	12.0	280	4.00	758
					IDLE DR		360	9.00	59
					IDLE NEU		340	8.60	43
3367	1973	CHEV	IMPA	350	HI SPEED	31.0	68	0.38	2951
					LO SPEED	15.0	125	1.85	1460
					IDLE DR		95	2.80	80
					IDLE NEU		50	1.50	56
3368	1973	CHEV	NOVA	307	HI SPEED	26.0	60	0.50	1128
					LO SPEED	12.0	80	0.26	767
					IDLE DR		160	0.08	246
					IDLE NEU		260	0.11	84
3369	1973	CHEV	STAW	454	HI SPEED	36.0	240	0.19	3879
					LO SPEED	18.0	223	0.20	1846
					IDLE DR		365	4.10	83
					IDLE NEU		330	4.10	59
3370	1973	CHRY	NEWP	400	HI SPEED	31.0	110	1.40	1552
					LO SPEED	15.0	170	0.90	1711
					IDLE DR		350	5.00	73
					IDLE NEU		240	5.30	48
3371	1973	DODG	CHAR	318	HI SPEED	26.0	130	0.60	2951
					LO SPEED	12.0	180	0.15	3036
					IDLE DR		220	4.80	115
					IDLE NEU		160	4.90	89
3372	1973	DODG	POLA	360	HI SPEED	31.0	140	2.60	2024
					LO SPEED	15.0	160	1.00	2698
					IDLE DR		120	1.80	157
					IDLE NEU		100	1.80	152

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3373	1973	FORD	PINT	122	HI SPEED	21.0	380	10.00	167
					LO SPEED	9.0	420	10.00	110
					IDLE DR				
					IDLE NEU		155	2.20	69
3374	1973	FORD	TORI	351	HI SPEED	31.0	170	0.65	1552
					LO SPEED	15.0	185	0.48	1148
					IDLE DR		255	5.80	36
					IDLE NEU		250	5.85	31
3375	1973	FORD	LTD	400	HI SPEED	31.0	100	0.33	1973
					LO SPEED	15.0	120	0.25	1711
					IDLE DR		230	4.60	117
					IDLE NEU		220	5.50	79
3376	1973	FORD	LTD	460	HI SPEED	31.0	55	0.80	1677
					LO SPEED	15.0	40	0.24	815
					IDLE DR		135	3.80	103
					IDLE NEU		100	3.25	77
3377	1973	MERC	MONG	302	HI SPEED	31.0	160	0.14	3710
					LO SPEED	15.0	105	0.15	1346
					IDLE DR		225	1.40	142
					IDLE NEU		165	1.20	88
3378	1973	OLDS	CUTL	350	HI SPEED	31.0	100	0.14	1746
					LO SPEED	15.0	80	0.18	1024
					IDLE DR		95	0.09	130
					IDLE NEU		165	1.20	74
3379	1973	OLDS	DELT	455	HI SPEED	31.0	40	0.10	1346
					LO SPEED	15.0	105	0.32	1642
					IDLE DR		95	0.85	108
					IDLE NEU		85	1.20	79
3380	1973	PLYM	SATE	318	HI SPEED	26.0	100	0.40	2024
					LO SPEED	12.0	180	0.20	2698
					IDLE DR		140	5.80	108
					IDLE NEU		160	5.40	88

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3381	1973	PONT	LEMA	350	HI SPEED	31.0	130	0.10	2361
					LO SPEED	15.0	280	0.80	1460
					IDLE DR		360	7.00	88
					IDLE NEU		340	8.00	51
3382	1973	PONT	BONN	400	HI SPEED	31.0	30	0.15	853
					LO SPEED	15.0	40	0.10	549
					IDLE DR		80	0.30	191
					IDLE NEU		90	0.40	108
3383	1973	CAPR	COUP	122	HI SPEED	21.0	145	0.18	2867
					LO SPEED	9.0	140	0.30	1229
					IDLE DR				
					IDLE NEU		155	3.55	35
3384	1973	MAZD	STAW	70	HI SPEED	21.0	210	1.20	1107
					LO SPEED	9.0	130	0.80	274
					IDLE DR		1600	3.00	26
					IDLE NEU		760	2.50	20
2134	1972	AMC	GREM	258	HI SPEED	21.0	100	0.18	3710
					LO SPEED	9.0	200	0.35	2361
					IDLE DR		250	3.40	120
					IDLE NEU		240	3.20	88
2135	1972	BUIC	RIVI	455	HI SPEED	31.0	215	0.42	1846
					LO SPEED	15.0	400	0.33	1404
					IDLE DR		1020	0.25	369
					IDLE NEU		745	0.20	117
2136	1972	CADI	DEVI	472	HI SPEED	36.0	40	0.15	1308
					LO SPEED	18.0	60	1.00	455
					IDLE DR		220	5.60	27
					IDLE NEU		190	4.60	29
2137	1972	CHEV	STAW	140	HI SPEED	21.0	60	0.80	1189
					LO SPEED	9.0	50	0.40	630
					IDLE DR				
					IDLE NEU		80	0.80	61

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2138	1972	CHEV	MALI	350	HI SPEED	26.0	110	0.40	3036
					LO SPEED	12.0	140	0.60	2192
					IDLE DR		200	3.00	167
					IDLE NEU		120	3.00	103
2139	1972	CHEV	MONT	350	HI SPEED	31.0	105	0.46	3289
					LO SPEED	15.0	160	1.40	2192
					IDLE DR		320	6.20	127
					IDLE NEU		285	5.60	77
2140	1972	CHEV	NOVA	307	HI SPEED	26.0	95	0.18	2024
					LO SPEED	12.0	180	0.10	2361
					IDLE DR		340	6.20	98
					IDLE NEU		260	5.80	69
2141	1972	CHEV	IMPA	350	HI SPEED	31.0	65	0.15	2614
					LO SPEED	15.0	180	1.30	1659
					IDLE DR		220	4.00	145
					IDLE NEU		150	4.90	95
2142	1972	CHEV	IMPA	400	HI SPEED	31.0	80	0.42	2698
					LO SPEED	15.0	110	0.14	2698
					IDLE DR		215	4.70	137
					IDLE NEU		180	4.70	79
2143	1972	DODG	DART	318	HI SPEED	26.0	185	0.75	2698
					LO SPEED	12.0	280	0.20	2530
					IDLE DR		125	0.90	237
					IDLE NEU		70	0.62	132
2144	1972	FORD	PINT	122	HI SPEED	21.0	200	0.30	5144
					LO SPEED	9.0	190	0.51	3373
					IDLE DR				
					IDLE NEU		970	7.20	88
2145	1972	FORD	STAW	351	HI SPEED	31.0	80	0.80	1606
					LO SPEED	15.0	90	0.30	1189
					IDLE DR		70	0.10	322
					IDLE NEU		60	0.20	132

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2146	1972	FORD	MAVE	200	HI SPEED	26.0	85	0.20	2445
					LO SPEED	12.0	200	0.25	4048
					IDLE DR		550	8.90	108
					IDLE NEU		540	8.00	63
2147	1972	FORD	LTD	351	HI SPEED	31.0	145	0.46	2530
					LO SPEED	15.0	155	0.12	1779
					IDLE DR		265	6.20	82
					IDLE NEU		310	5.20	61
2148	1972	FORD	LTD	400	HI SPEED	31.0	60	0.14	2783
					LO SPEED	15.0	79	0.12	1813
					IDLE DR		160	4.50	105
					IDLE NEU		130	4.20	88
2149	1972	MERC	MONR	400	HI SPEED	31.0	110	0.20	3204
					LO SPEED	15.0	160	0.20	1711
					IDLE DR		180	3.40	157
					IDLE NEU		110	3.00	113
2150	1972	OLDS	CUTL	350	HI SPEED	26.0	125	0.45	2698
					LO SPEED	12.0	210	1.40	1589
					IDLE DR		200	3.80	103
					IDLE NEU		150	3.30	80
2151	1972	PLYM	DUST	225	HI SPEED	26.0	160	1.65	2783
					LO SPEED	12.0	250	3.50	1107
					IDLE DR		275	3.60	132
					IDLE NEU		550	2.85	86
2152	1972	PLYM	FRY3	360	HI SPEED	31.0	180	2.30	2108
					LO SPEED	15.0	200	2.20	1746
					IDLE DR		260	4.00	181
					IDLE NEU		230	3.80	105
2153	1972	PONT	FIRE	400	HI SPEED	26.0	149	1.70	1796
					LO SPEED	12.0	200	2.55	701
					IDLE DR		200	4.30	93
					IDLE NEU		200	5.99	61

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2154	1972	PONT	LEMA	350	HI SPEED	26.0	120	0.35	2698
					LO SPEED	12.0	180	0.60	2024
					IDLE DR		480	6.00	83
					IDLE NEU		480	6.00	58
2155	1972	DATS	STAW	97	HI SPEED	21.0	160	0.30	3542
					LO SPEED	9.0	100	0.50	896
					IDLE DR				
					IDLE NEU		380	7.60	88
2156	1972	TOYO	CORO	120	HI SPEED	21.0	180	2.20	2530
					LO SPEED	9.0	240	3.60	896
					IDLE DR				
					IDLE NEU		65	0.08	78
2157	1972	VOLK	SEDA	97	HI SPEED	21.0	200	1.00	3879
					LO SPEED	9.0	290	0.52	3120
					IDLE DR				
					IDLE NEU		180	4.70	100
2158	1972	VOLK	STAW	103	HI SPEED	21.0	80	0.60	1571
					LO SPEED	9.0	120	0.60	1423
					IDLE DR		320	6.20	63
					IDLE NEU		840	6.80	59
2385	1972	BUIC	SKYL	350	HI SPEED	26.0	130	0.50	3036
					LO SPEED	12.0	190	0.50	1878
					IDLE DR		260	5.40	98
					IDLE NEU		200	5.60	75
2386	1972	BUIC	STAW	455	HI SPEED	36.0	20	0.11	1677
					LO SPEED	18.0	30	0.10	1189
					IDLE DR		50	0.60	162
					IDLE NEU		55	0.40	103
2387	1972	CHEV	VEGA	140	HI SPEED	21.0	50	1.05	1589
					LO SPEED	9.0	240	1.75	1862
					IDLE DR		330	7.80	81
					IDLE NEU		260	7.40	73

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2388	1972	CHEV	CHEL	307	HI SPEED	26.0	120	0.28	1779
					LO SPEED	12.0	250	0.30	1846
					IDLE DR		370	2.25	113
					IDLE NEU		179	1.15	74
2389	1972	CHEV	IMPA	350	HI SPEED	31.0	95	1.20	1460
					LO SPEED	15.0	110	1.45	940
					IDLE DR		230	2.80	132
					IDLE NEU		130	2.40	80
2390	1972	CHEV	IMPA	350	HI SPEED	31.0	100	1.25	1926
					LO SPEED	15.0	160	1.95	1087
					IDLE DR		330	7.60	80
					IDLE NEU		310	7.40	57
2391	1972	CHEV	STAW	400	HI SPEED	36.0	140	0.90	2192
					LO SPEED	18.0	120	0.20	1606
					IDLE DR		240	0.10	142
					IDLE NEU		320	0.20	51
2392	1972	CHRY	NEWP	400	HI SPEED	31.0	105	1.30	1862
					LO SPEED	15.0	130	1.85	940
					IDLE DR		159	3.20	105
					IDLE NEU		139	3.30	84
2393	1972	DODG	DART	225	HI SPEED	26.0	100	1.00	2192
					LO SPEED	12.0	180	1.10	1385
					IDLE DR				
					IDLE NEU		160	3.80	69
2394	1972	FORD	PINT	122	HI SPEED	21.0	170	3.00	2530
					LO SPEED	9.0	200	1.00	1346
					IDLE DR		50	0.10	122
					IDLE NEU		35	0.10	83
2395	1972	FORD	TORI	302	HI SPEED	26.0	110	0.25	1926
					LO SPEED	12.0	138	0.15	872
					IDLE DR		260	4.20	105
					IDLE NEU		185	3.70	83

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2396	1972	FORD	TORI	351	HI SPEED	26.0	125	0.63	3289
					LO SPEED	12.0	115	0.31	1973
					IDLE DR		155	2.05	265
					IDLE NEU		100	3.05	137
2397	1972	FORD	LTD	429	HI SPEED	31.0	140	2.40	1846
					LO SPEED	15.0	150	0.80	1571
					IDLE DR		180	3.00	122
					IDLE NEU		120	2.60	93
2398	1972	LINC	MRK4	460	HI SPEED	36.0	105	1.18	3289
					LO SPEED	18.0	115	0.20	2530
					IDLE DR		135	1.70	235
					IDLE NEU		95	2.00	117
2399	1972	MERC	MARQ	429	HI SPEED	31.0	85	0.48	3120
					LO SPEED	15.0	75	0.17	2019
					IDLE DR		80	0.70	265
					IDLE NEU		35	0.55	140
2400	1972	OLDS	CUTL	350	HI SPEED	26.0	65	0.12	1910
					LO SPEED	12.0	140	0.31	1423
					IDLE DR		100	1.45	132
					IDLE NEU		80	1.75	84
2401	1972	OLDS	ROYA	455	HI SPEED	31.0	52	0.11	2361
					LO SPEED	15.0	103	0.11	2192
					IDLE DR		95	[illegible]	127
					IDLE NEU		90	[illegible]	[illegible]
2402	1972	PLYM	DUST	318	HI SPEED	26.0	100	[illegible]	[illegible]
					LO SPEED	12.0	140	[illegible]	2445
					IDLE DR		220	[illegible]	110
					IDLE NEU		200	6.00	82
2403	1972	PONT	STAW	455	HI SPEED	36.0	60	0.20	3036
					LO SPEED	18.0	100	0.10	2530
					IDLE DR		160	1.10	103
					IDLE NEU		130	1.00	79

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2404	1972	CAPR	COUP	122	HI SPEED	21.0	100	1.10	3795
					LO SPEED	9.0	90	1.50	1939
					IDLE DR				
					IDLE NEU		300	2.90	130
1159	1971	BUIC	ELEC	455	HI SPEED	31.0	100	0.20	2530
					LO SPEED	15.0	140	0.37	1229
					IDLE DR		355	2.19	147
					IDLE NEU		295	2.10	90
1160	1971	BUIC	SKYL	350	HI SPEED	26.0	90	0.18	3373
					LO SPEED	12.0	180	1.35	1642
					IDLE DR		260	6.30	127
					IDLE NEU		220	6.20	79
1161	1971	CHEV	VEGA	140	HI SPEED	21.0	105	0.95	1249
					LO SPEED	9.0	130	0.90	1209
					IDLE DR				
					IDLE NEU		700	10.00	44
1162	1971	CHEV	MALI	350	HI SPEED	26.0	105	0.95	2004
					LO SPEED	12.0	80	0.15	1308
					IDLE DR		240	3.25	176
					IDLE NEU		170	3.00	94
1163	1971	CHEV	CAMA	307	HI SPEED	26.0	80	0.33	1878
					LO SPEED	12.0	100	0.28	1268
					IDLE DR		340	4.00	132
					IDLE NEU		180	2.70	89
1164	1971	CHEV	IMPA	350	HI SPEED	31.0	60	0.18	2530
					LO SPEED	15.0	140	1.80	2024
					IDLE DR		150	0.16	322
					IDLE NEU		60	0.18	122
1165	1971	CHEV	BELA	350	HI SPEED	31.0	140	0.40	2867
					LO SPEED	15.0	160	0.14	2192
					IDLE DR		310	3.40	98
					IDLE NEU		260	3.20	64

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PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1166	1971	CHRY	NEWP	440	HI SPEED	31.0	120	2.15	1534
					LO SPEED	15.0	170	2.00	1066
					IDLE DR		130	2.80	103
					IDLE NEU		115	2.75	82
1167	1971	DODG	CORO	318	HI SPEED	26.0	150	0.25	3710
					LO SPEED	12.0	260	0.18	2951
					IDLE DR		320	5.00	83
					IDLE NEU		250	4.50	59
1168	1971	FORD	PINT	122	HI SPEED	21.0	235	1.70	2698
					LO SPEED	9.0	330	1.75	1677
					IDLE DR				
					IDLE NEU		300	8.00	69
1169	1971	FORD	TORI	302	HI SPEED	26.0	40	0.14	1189
					LO SPEED	12.0	140	0.30	1642
					IDLE DR		95	0.41	284
					IDLE NEU		80	0.50	221
1170	1971	FORD	MUST	250	HI SPEED	26.0	180	0.40	5060
					LO SPEED	12.0	220	0.30	4048
					IDLE DR		460	5.80	127
					IDLE NEU		360	4.40	122
1171	1971	FORD	GALA	351	HI SPEED	31.0	230	0.90	3542
					LO SPEED	15.0	195	0.25	3373
					IDLE DR		375	1.35	417
					IDLE NEU		590	1.10	103
1172	1971	FORD	LTD	400	HI SPEED	31.0	40	0.12	1268
					LO SPEED	15.0	35	0.10	644
					IDLE DR		100	0.16	246
					IDLE NEU		200	0.14	108
1173	1971	MERC	COUG	351	HI SPEED	26.0	160	0.30	2698
					LO SPEED	12.0	155	0.42	1659
					IDLE DR		140	1.60	213
					IDLE NEU		100	1.12	125

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1174	1971	OLDS	NNTY	455	HI SPEED	31.0	50	0.20	4048
					LO SPEED	15.0	120	0.60	2361
					IDLE DR		110	1.50	113
					IDLE NEU		100	1.80	78
1175	1971	PLYM	VALI	225	HI SPEED	26.0	100	0.64	4301
					LO SPEED	12.0	170	1.25	3204
					IDLE DR		190	3.60	246
					IDLE NEU		150	2.60	157
1176	1971	PONT	BONN	455	HI SPEED	31.0	50	0.17	1711
					LO SPEED	15.0	140	1.60	940
					IDLE DR		460	9.20	32
					IDLE NEU		450	8.40	27
1177	1971	PONT	LEMA	350	HI SPEED	26.0	50	0.19	1404
					LO SPEED	12.0	100	0.55	872
					IDLE DR		215	1.90	135
					IDLE NEU		160	2.50	88
1178	1971	DATS	STAW	97	HI SPEED	21.0	260	0.13	4722
					LO SPEED	9.0	260	0.21	3373
					IDLE DR				
					IDLE NEU		820	0.16	191
1179	1971	TOYO	CORO	71	HI SPEED	21.0	160	1.90	1552
					LO SPEED	9.0	270	1.90	1107
					IDLE DR				
					IDLE NEU		290	3.00	47
1180	1971	VOLK	SEDA	97	HI SPEED	21.0	105	2.60	1571
					LO SPEED	9.0	100	0.60	1624
					IDLE DR				
					IDLE NEU		130	2.70	132
1405	1971	AMC	AMBA	360	HI SPEED	31.0	140	0.80	3542
					LO SPEED	15.0	200	1.10	2698
					IDLE DR		180	2.00	191
					IDLE NEU		120	2.20	117

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1406	1971	BUIC	STAW	455	HI SPEED	36.0	65	0.90	1989
					LO SPEED	18.0	59	1.15	843
					IDLE DR		90	1.80	142
					IDLE NEU		90	2.15	87
1407	1971	CADI	DEVI	472	HI SPEED	36.0	80	1.10	1973
					LO SPEED	18.0	125	2.40	1107
					IDLE DR		120	3.20	88
					IDLE NEU		60	1.80	73
1408	1971	CHEV	CHEL	350	HI SPEED	26.0	258	0.28	2783
					LO SPEED	12.0	260	0.17	2277
					IDLE DR		500	0.35	673
					IDLE NEU		1360	0.25	172
1409	1971	CHEV	MALI	307	HI SPEED	26.0	220	1.80	1973
					LO SPEED	12.0	260	0.20	2019
					IDLE DR				
					IDLE NEU		260	3.20	71
1410	1971	CHEV	MALI	350	HI SPEED	26.0	120	1.60	1288
					LO SPEED	12.0	110	0.20	1003
					IDLE DR		300	4.40	88
					IDLE NEU		240	4.10	65
1411	1971	CHEV	IMPA	400	HI SPEED	31.0	80	1.20	1855
					LO SPEED	15.0	70	0.30	1308
					IDLE DR		300	8.00	83
					IDLE NEU		240	7.00	51
1412	1971	DODG	DART	225	HI SPEED	26.0	185	1.90	3289
					LO SPEED	12.0	230	0.50	3120
					IDLE DR		450	9.20	78
					IDLE NEU		380	8.30	69
1413	1971	FORD	STAW	302	HI SPEED	31.0	235	0.35	3879
					LO SPEED	15.0	220	0.40	1878
					IDLE DR		720	1.80	206
					IDLE NEU		1180	1.65	113

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1414	1971	FORD	TORI	351	HI SPEED	26.0	100	0.40	1711
					LO SPEED	12.0	180	0.92	1148
					IDLE DR		325	7.00	167
					IDLE NEU		350	8.50	65
1415	1971	FORD	GALA	351	HI SPEED	31.0	215	1.90	2530
					LO SPEED	15.0	260	0.80	2361
					IDLE DR		370	9.50	80
					IDLE NEU		315	8.90	61
1416	1971	MERC	STAW	400	HI SPEED	31.0	25	0.29	1308
					LO SPEED	15.0	20	0.12	940
					IDLE DR		115	4.10	147
					IDLE NEU		95	3.70	103
1417	1971	OLDS	STAW	350	HI SPEED	26.0	150	0.42	3373
					LO SPEED	12.0	200	0.48	2361
					IDLE DR		145	1.85	147
					IDLE NEU		105	1.40	103
1418	1971	OLDS	CUTL	350	HI SPEED	26.0	140	0.28	3373
					LO SPEED	12.0	230	1.00	1910
					IDLE DR		215	4.15	132
					IDLE NEU		160	4.05	94
1419	1971	PLYM	VALI	318	HI SPEED	26.0	175	0.41	3879
					LO SPEED	12.0	260	0.20	3373
					IDLE DR		255	5.80	117
					IDLE NEU		200	5.70	88
1420	1971	PLYM	FRY3	360	HI SPEED	31.0	130	1.05	3710
					LO SPEED	15.0	160	0.89	2530
					IDLE DR		190	4.85	122
					IDLE NEU		165	4.60	82
1421	1971	PONT	VENT	307	HI SPEED	26.0	95	0.23	2019
					LO SPEED	12.0	220	0.15	2530
					IDLE DR		435	8.40	86
					IDLE NEU		310	7.90	65

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1422	1971	VOLK	SEDA	97	HI SPEED	21.0	155	0.28	3289
					LO SPEED	9.0	255	1.00	1711
					IDLE DR				
					IDLE NEU		440	7.80	98
0181	1970	AMC	HORN	232	HI SPEED	26.0	40	0.15	1846
					LO SPEED	12.0	55	0.17	1606
					IDLE DR		160	3.45	127
					IDLE NEU		130	4.30	92
0182	1970	BUIC	WILD	455	HI SPEED	31.0	110	0.20	2867
					LO SPEED	15.0	120	1.00	1107
					IDLE DR		220	4.80	117
					IDLE NEU		180	5.00	84
0183	1970	CHEV	NOVA	307	HI SPEED	26.0	160	1.90	1148
					LO SPEED	12.0	175	2.20	530
					IDLE DR		470	9.30	61
					IDLE NEU		340	8.50	53
0184	1970	CHEV	MALI	307	HI SPEED	26.0	150	0.23	4048
					LO SPEED	12.0	190	0.23	2951
					IDLE DR		300	3.80	159
					IDLE NEU		360	3.80	79
0185	1970	CHEV	MALI	350	HI SPEED	26.0	190	1.12	3204
					LO SPEED	12.0	160	0.14	2530
					IDLE DR		190	1.30	237
					IDLE NEU		100	1.50	110
0186	1970	CHEV	IMPA	350	HI SPEED	31.0	200	1.24	2361
					LO SPEED	15.0	168	0.30	1659
					IDLE DR		360	4.25	135
					IDLE NEU		315	4.50	88
0187	1970	CHEV	IMPA	400	HI SPEED	31.0	110	0.40	3204
					LO SPEED	15.0	100	0.15	1460
					IDLE DR		320	4.00	130
					IDLE NEU		320	3.70	66

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0188	1970	DODG	CORO	225	HI SPEED	26.0	110	1.00	3795
					LO SPEED	12.0	200	2.00	2277
					IDLE DR				
					IDLE NEU		160	4.20	110
0189	1970	FORD	MUST	302	HI SPEED	26.0	280	1.40	2698
					LO SPEED	12.0	300	1.00	1385
					IDLE DR		280	5.00	103
					IDLE NEU		200	4.80	68
0190	1970	FORD	TORI	302	HI SPEED	26.0	190	0.85	2192
					LO SPEED	12.0	220	0.28	1624
					IDLE DR		250	1.50	206
					IDLE NEU		300	1.40	96
0191	1970	FORD	GALA	351	HI SPEED	31.0	210	1.70	2192
					LO SPEED	15.0	315	1.00	2361
					IDLE DR		210	3.30	162
					IDLE NEU		150	3.00	108
0192	1970	FORD	GALA	351	HI SPEED	31.0	220	1.80	2361
					LO SPEED	15.0	220	0.35	2530
					IDLE DR		65	0.14	246
					IDLE NEU		35	0.10	135
0193	1970	MERC	STAW	390	HI SPEED	31.0	90	0.95	1516
					LO SPEED	15.0	85	0.75	1107
					IDLE DR		220	6.60	89
					IDLE NEU		170	6.80	67
0194	1970	OLDS	CUTL	350	HI SPEED	26.0	240	0.10	3373
					LO SPEED	12.0	340	0.14	2698
					IDLE DR		320	0.10	108
					IDLE NEU		360	0.14	49
0195	1970	PLYM	STAW	383	HI SPEED	31.0	135	1.40	2783
					LO SPEED	15.0	125	0.15	2530
					IDLE DR		155	6.70	110
					IDLE NEU		140	6.90	77

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0196	1970	PLYM	DUST	318	HI SPEED	26.0	1750	0.90	2614
					LO SPEED	12.0	1520	0.30	2951
					IDLE DR		695	0.70	322
					IDLE NEU		700	0.45	137
0197	1970	PONT	FIRE	350	HI SPEED	26.0	170	4.40	587
					LO SPEED	12.0	160	1.85	796
					IDLE DR		190	1.20	213
					IDLE NEU		105	0.95	100
0198	1970	DATS	510	97	HI SPEED	21.0	140	0.09	3710
					LO SPEED	9.0	150	0.18	1958
					IDLE DR				
					IDLE NEU		100	0.80	65
0199	1970	TOYO	CORO	116	HI SPEED	21.0	90	0.60	3542
					LO SPEED	9.0	150	1.10	3204
					IDLE DR		140	1.00	172
					IDLE NEU		90	0.30	127
0200	1970	VOLK	KARM	97	HI SPEED	21.0	152	2.30	2530
					LO SPEED	9.0	180	0.36	2698
					IDLE DR				
					IDLE NEU		172	7.60	91
0423	1970	BUIC	SKYL	350	HI SPEED	26.0	160	0.30	3036
					LO SPEED	12.0	240	2.30	1308
					IDLE DR		230	3.50	137
					IDLE NEU		160	4.00	88
0424	1970	BUIC	LESA	350	HI SPEED	31.0	110	0.80	2530
					LO SPEED	15.0	220	2.40	1346
					IDLE DR		280	7.80	59
					IDLE NEU		230	7.00	49
0425	1970	CADI	DEVI	472	HI SPEED	36.0	305	9.20	246
					LO SPEED	18.0	360	10.00	108
					IDLE DR		300	6.30	79
					IDLE NEU		275	5.20	69

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0426	1970	CHEV	MALI	307	HI SPEED	26.0	185	1.20	2951
					LO SPEED	12.0	275	0.45	2951
					IDLE DR		395	8.50	82
					IDLE NEU		330	8.00	67
0427	1970	CHEV	MONT	350	HI SPEED	26.0	240	0.80	1746
					LO SPEED	12.0	300	1.30	940
					IDLE DR		620	2.80	216
					IDLE NEU		780	2.40	88
0428	1970	CHEV	IMPA	350	HI SPEED	31.0	265	2.05	2445
					LO SPEED	15.0	355	1.25	2361
					IDLE DR		375	8.80	100
					IDLE NEU		310	8.10	74
0429	1970	CHRY	NEWP	383	HI SPEED	31.0	150	6.20	3457
					LO SPEED	15.0	139	1.50	2004
					IDLE DR		300	8.20	69
					IDLE NEU		295	8.40	54
0430	1970	DODG	STAW	318	HI SPEED	31.0	290	0.25	2867
					LO SPEED	15.0	345	0.18	1910
					IDLE DR		1775	0.59	194
					IDLE NEU		2000	0.82	103
0431	1970	FORD	MAVE	200	HI SPEED	21.0	52	0.20	1346
					LO SPEED	9.0	140	0.15	1910
					IDLE DR		110	0.60	331
					IDLE NEU		45	0.27	184
0432	1970	FORD	STAW	351	HI SPEED	31.0	160	0.35	4048
					LO SPEED	15.0	200	0.10	3542
					IDLE DR		190	1.30	167
					IDLE NEU		130	1.00	41
0433	1970	FORD	LTD	390	HI SPEED	31.0	210	1.80	1878
					LO SPEED	15.0	260	0.60	1268
					IDLE DR		660	10.00	26
					IDLE NEU		780	10.00	17

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0434	1970	OLDS	CUTL	350	HI SPEED	26.0	160	1.70	1346
					LO SPEED	12.0	180	1.80	682
					IDLE DR		310	4.90	83
					IDLE NEU		200	4.80	65
0435	1970	PLYM	FRY2	318	HI SPEED	31.0	170	1.30	2698
					LO SPEED	15.0	260	1.40	2530
					IDLE DR		340	10.00	59
					IDLE NEU		280	9.40	53
0436	1970	PONT	GRNP	400	HI SPEED	31.0	210	0.75	2783
					LO SPEED	15.0	220	0.13	2024
					IDLE DR		350	7.00	95
					IDLE NEU		415	8.00	52
0437	1970	VOLK	SEDA	97	HI SPEED	21.0	185	2.00	2867
					LO SPEED	9.0	220	0.55	2698
					IDLE DR				
					IDLE NEU		170	7.20	113
9438	1969	AMC	AMER	199	HI SPEED	26.0	200	1.10	2698
					LO SPEED	12.0	260	0.50	3036
					IDLE DR		340	7.40	117
					IDLE NEU		280	7.00	93
9439	1969	BUIC	ELEC	430	HI SPEED	31.0	220	2.70	1516
					LO SPEED	15.0	260	3.50	616
					IDLE DR		220	5.80	70
					IDLE NEU		190	5.90	58
9440	1969	BUIC	SKYL	350	HI SPEED	26.0	140	0.30	3542
					LO SPEED	12.0	200	0.35	2361
					IDLE DR		240	4.00	122
					IDLE NEU		180	3.80	77
9441	1969	CADI	FLEE	472	HI SPEED	36.0	39	0.29	1624
					LO SPEED	18.0	50	1.09	881
					IDLE DR		120	6.60	67
					IDLE NEU		110	5.80	58

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9442	1969	CHEV	NOVA	307	HI SPEED	26.0	210	1.40	2867
					LO SPEED	12.0	310	1.20	1846
					IDLE DR		340	6.20	79
					IDLE NEU		240	5.00	61
9443	1969	CHEV	CAPR	350	HI SPEED	31.0	99	0.17	3373
					LO SPEED	15.0	235	0.13	3542
					IDLE DR		159	0.50	154
					IDLE NEU		120	0.45	92
9444	1969	CHEV	CHEL	307	HI SPEED	26.0	180	1.70	2361
					LO SPEED	12.0	240	1.95	1606
					IDLE DR		255	3.80	94
					IDLE NEU		190	3.40	69
9445	1969	CHEV	IMPA	327	HI SPEED	31.0	340	3.00	1855
					LO SPEED	15.0	440	2.40	1606
					IDLE DR		500	7.60	83
					IDLE NEU		340	7.00	68
9446	1969	CHEV	IMPA	350	HI SPEED	31.0	210	0.25	4216
					LO SPEED	15.0	300	0.40	2867
					IDLE DR		280	4.20	117
					IDLE NEU		190	4.20	108
9447	1969	CHEV	NOVA	230	HI SPEED	26.0	130	0.15	3879
					LO SPEED	12.0	260	0.70	2867
					IDLE DR		340	6.20	108
					IDLE NEU		280	5.80	69
9448	1969	CHEV	IMPA	350	HI SPEED	31.0	200	0.30	3963
					LO SPEED	15.0	310	1.50	2004
					IDLE DR		355	7.70	80
					IDLE NEU		300	7.80	58
9449	1969	CHRY	NEWP	383	HI SPEED	31.0	140	2.20	2698
					LO SPEED	15.0	80	0.20	1711
					IDLE DR		220	1.50	110
					IDLE NEU		220	1.80	74

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9450	1969	DODG	CORO	318	HI SPEED	26.0	175	1.00	4216
					LO SPEED	12.0	240	1.10	3373
					IDLE DR		280	5.80	142
					IDLE NEU		320	4.80	93
9451	1969	FORD	MUST	200	HI SPEED	26.0	180	0.50	4554
					LO SPEED	12.0	260	0.50	3204
					IDLE DR				
					IDLE NEU		180	6.60	137
9452	1969	FORD	GALA	302	HI SPEED	31.0	180	0.20	5228
					LO SPEED	15.0	280	0.15	5397
					IDLE DR		480	9.80	49
					IDLE NEU		420	9.60	43
9453	1969	FORD	TORI	351	HI SPEED	26.0	140	0.50	2024
					LO SPEED	12.0	170	0.20	1268
					IDLE DR		380	1.50	196
					IDLE NEU		280	1.10	79
9454	1969	FORD	XL	390	HI SPEED	31.0	120	0.80	2361
					LO SPEED	15.0	160	0.20	2698
					IDLE DR		240	5.00	93
					IDLE NEU		240	5.20	68
9455	1969	FORD	STAW	302	HI SPEED	26.0	230	0.50	3710
					LO SPEED	12.0	300	0.30	2361
					IDLE DR				
					IDLE NEU		220	2.50	73
9456	1969	FORD	STAW	429	HI SPEED	31.0	240	2.80	1694
					LO SPEED	15.0	320	3.50	1107
					IDLE DR		380	8.60	127
					IDLE NEU		410	9.20	62
9457	1969	MERC	STAW	390	HI SPEED	31.0	140	0.60	2530
					LO SPEED	15.0	160	0.80	1423
					IDLE DR		320	5.20	75
					IDLE NEU		280	4.50	61

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LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9458	1969	OLDS	NNTY	455	HI SPEED	31.0	80	0.30	1973
					LO SPEED	15.0	150	1.50	1346
					IDLE DR		130	3.60	67
					IDLE NEU		120	3.40	49
9459	1969	OLDS	CUTL	350	HI SPEED	26.0	400	1.50	1878
					LO SPEED	12.0	550	1.30	1606
					IDLE DR		760	1.30	127
					IDLE NEU		1130	1.40	69
9460	1969	PLYM	SATE	318	HI SPEED	26.0	135	0.33	3710
					LO SPEED	12.0	220	0.50	3036
					IDLE DR		320	6.00	127
					IDLE NEU		300	6.20	84
9461	1969	PLYM	VALI	225	HI SPEED	26.0	150	1.10	3289
					LO SPEED	12.0	210	1.40	2277
					IDLE DR		225	2.35	196
					IDLE NEU		140	2.30	95
9462	1969	PONT	STAW	350	HI SPEED	31.0	160	0.50	3542
					LO SPEED	15.0	220	0.60	3542
					IDLE DR		310	7.50	147
					IDLE NEU		250	7.00	79
9463	1969	PONT	BONN	400	HI SPEED	31.0	200	2.30	2004
					LO SPEED	15.0	330	5.20	521
					IDLE DR		265	6.20	80
					IDLE NEU		240	7.00	61
9464	1969	PONT	CATA	400	HI SPEED	31.0	180	0.50	2951
					LO SPEED	15.0	350	2.30	2019
					IDLE DR		460	10.00	73
					IDLE NEU		465	10.00	77
9465	1969	TOYO	CORO	116	HI SPEED	21.0	130	0.95	2867
					LO SPEED	9.0	215	2.10	1862
					IDLE DR		270	3.40	120
					IDLE NEU		300	5.50	63

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9466	1969	VOLK	SEDA	91	HI SPEED	21.0	120	1.10	2277
					LO SPEED	9.0	200	1.60	1694
					IDLE DR				
					IDLE NEU		140	2.85	87
9467	1969	VOLK	SEDA	91	HI SPEED	21.0	150	1.80	2698
					LO SPEED	9.0	200	1.60	1813
					IDLE DR				
					IDLE NEU		220	8.00	59
8468	1968	AMC	REBE	343	HI SPEED	26.0	210	0.90	2530
					LO SPEED	12.0	240	0.50	1606
					IDLE DR		260	2.80	147
					IDLE NEU		180	2.20	98
8469	1965	AMC	CLAS	232	HI SPEED	26.0	170	1.80	2530
					LO SPEED	12.0	300	5.20	511
					IDLE DR		400	10.00	51
					IDLE NEU		400	9.60	35
8470	1966	AMC	ROGU	290	HI SPEED	26.0	280	1.40	2530
					LO SPEED	12.0	460	5.40	568
					IDLE DR				
					IDLE NEU		520	10.00	33
8471	1967	BUIC	LESA	340	HI SPEED	31.0	310	7.60	284
					LO SPEED	15.0	410	6.70	218
					IDLE DR		810	8.80	19
					IDLE NEU		660	7.50	22
8472	1968	BUIC	ELEC	430	HI SPEED	31.0	160	0.20	4385
					LO SPEED	15.0	260	2.00	1686
					IDLE DR		340	8.00	127
					IDLE NEU		220	8.00	88
8473	1968	BUIC	SKYL	350	HI SPEED	26.0	80	0.15	2361
					LO SPEED	12.0	100	0.20	1308
					IDLE DR		220	2.20	83
					IDLE NEU		280	2.00	69

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8474	1966	CADI	DEVI	429	HI SPEED	36.0	120	1.77	2361
					LO SPEED	18.0	150	0.60	1460
					IDLE DR		140	2.65	186
					IDLE NEU		105	1.75	125
8475	1967	CHEV	NOVA	250	HI SPEED	26.0	300	4.90	1148
					LO SPEED	12.0	400	5.80	455
					IDLE DR		539	4.25	78
					IDLE NEU		510	3.90	52
8476	1967	CHEV	STAW	283	HI SPEED	31.0	350	2.55	2361
					LO SPEED	15.0	440	3.05	1423
					IDLE DR		545	2.50	246
					IDLE NEU		460	2.20	110
8477	1967	CHEV	IMPA	283	HI SPEED	31.0	360	0.35	3710
					LO SPEED	15.0	540	0.50	3457
					IDLE DR		1160	10.00	37
					IDLE NEU		2000	9.60	29
8478	1968	CHEV	IMPA	307	HI SPEED	31.0	180	0.80	3373
					LO SPEED	15.0	270	1.90	1973
					IDLE DR		400	2.60	147
					IDLE NEU		320	2.10	69
8479	1968	CHEV	IMPA	327	HI SPEED	31.0	215	3.50	1128
					LO SPEED	15.0	280	4.30	961
					IDLE DR		315	7.80	559
					IDLE NEU		240	7.20	80
8480	1967	CHEV	STAW	396	HI SPEED	31.0	200	1.80	2530
					LO SPEED	15.0	320	4.10	853
					IDLE DR		360	4.10	103
					IDLE NEU		340	4.00	73
8481	1967	CHEV	NOVA	283	HI SPEED	26.0	390	2.20	2361
					LO SPEED	12.0	580	3.60	1385
					IDLE DR		820	7.20	49
					IDLE NEU		805	7.00	49

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8482	1966	CHEV	MALI	283	HI SPEED	26.0	110	1.15	1107
					LO SPEED	12.0	170	1.35	597
					IDLE DR		250	2.75	56
					IDLE NEU		185	2.05	42
8483	1968	CHEV	MALI	307	HI SPEED	26.0	880	2.20	1327
					LO SPEED	12.0	420	1.60	853
					IDLE DR		400	2.10	147
					IDLE NEU		400	4.10	70
8484	1968	CHEV	CHEL	307	HI SPEED	26.0	155	0.90	3120
					LO SPEED	12.0	200	0.55	2361
					IDLE DR				
					IDLE NEU		85	0.70	74
8485	1968	CHEV	CAPR	327	HI SPEED	31.0	195	1.55	1910
					LO SPEED	15.0	240	2.60	910
					IDLE DR		425	8.10	61
					IDLE NEU		385	7.90	53
8486	1968	CHEV	STAW	396	HI SPEED	31.0	280	4.70	982
					LO SPEED	15.0	440	7.20	379
					IDLE DR		650	9.20	73
					IDLE NEU		1080	9.40	43
8487	1968	CHRY	NEWP	383	HI SPEED	31.0	70	0.45	1846
					LO SPEED	15.0	85	0.42	1024
					IDLE DR		165	5.10	82
					IDLE NEU		170	5.05	55
8488	1968	DODG	DART	225	HI SPEED	26.0	190	6.00	701
					LO SPEED	12.0	220	3.50	786
					IDLE DR				
					IDLE NEU		250	4.50	80
8489	1967	DODG	CORO	318	HI SPEED	26.0	200	1.60	3879
					LO SPEED	12.0	310	1.80	2530
					IDLE DR		360	6.20	103
					IDLE NEU		400	5.40	83

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8490	1968	DODG	POLA	383	HI SPEED	31.0	200	2.90	1366
					LO SPEED	15.0	180	0.85	1442
					IDLE DR		380	8.30	62
					IDLE NEU		378	7.80	40
8491	1967	FORD	FALC	200	HI SPEED	26.0	180	0.25	4301
					LO SPEED	12.0	230	0.19	2698
					IDLE DR				
					IDLE NEU		220	7.40	120
8492	1968	FORD	MUST	289	HI SPEED	26.0	199	0.42	2361
					LO SPEED	12.0	290	0.85	1498
					IDLE DR		265	4.70	142
					IDLE NEU		170	4.90	100
8493	1968	FORD	FAIR	289	HI SPEED	26.0	260	1.00	2867
					LO SPEED	12.0	320	0.60	2361
					IDLE DR		260	2.00	167
					IDLE NEU		1900	2.00	88
8494	1968	FORD	CUST	302	HI SPEED	31.0	210	3.00	1288
					LO SPEED	15.0	225	1.95	862
					IDLE DR				
					IDLE NEU		280	10.00	35
8495	1968	FORD	TORI	302	HI SPEED	26.0	340	0.30	3710
					LO SPEED	12.0	360	0.40	2024
					IDLE DR		2000	3.60	45
					IDLE NEU		2000	3.20	39
8496	1966	FORD	STAW	390	HI SPEED	31.0	180	3.80	3036
					LO SPEED	15.0	280	3.60	809
					IDLE DR		340	8.00	73
					IDLE NEU		300	8.80	55
8497	1966	FORD	FALC	200	HI SPEED	26.0	100	0.20	1973
					LO SPEED	12.0	240	0.50	2530
					IDLE DR		340	4.80	122
					IDLE NEU		240	4.00	88

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8498	1968	FORD	MUST	289	HI SPEED	26.0	240	0.50	3204
					LO SPEED	12.0	320	0.60	1942
					IDLE DR		240	2.40	181
					IDLE NEU		160	2.20	122
8499	1968	FORD	RANC	289	HI SPEED	26.0	240	2.05	1878
					LO SPEED	12.0	295	1.55	1268
					IDLE DR		300	7.70	84
					IDLE NEU		270	7.50	61
8500	1967	FORD	STAW	390	HI SPEED	31.0	105	1.80	1209
					LO SPEED	15.0	140	1.60	758
					IDLE DR		220	4.10	77
					IDLE NEU		80	1.35	65
8501	1968	FORD	THND	429	HI SPEED	31.0	175	0.80	3036
					LO SPEED	15.0	170	0.70	1498
					IDLE DR		260	1.65	464
					IDLE NEU		305	2.55	120
8502	1965	LINC	CONT	462	HI SPEED	36.0	380	7.00	809
					LO SPEED	18.0	500	8.00	455
					IDLE DR		840	10.00	19
					IDLE NEU		720	10.00	19
8503	1967	MERC	COUG	289	HI SPEED	26.0	300	2.55	1552
					LO SPEED	12.0	320	1.60	692
					IDLE DR				
					IDLE NEU		520	8.50	42
8504	1967	OLDS	CUTL	330	HI SPEED	26.0	150	0.22	2530
					LO SPEED	12.0	300	1.75	1479
					IDLE DR		195	1.50	174
					IDLE NEU		150	1.10	108
8505	1965	OLDS	NNTY	425	HI SPEED	31.0	130	1.95	1066
					LO SPEED	15.0	280	1.85	597
					IDLE DR		330	8.10	59
					IDLE NEU		350	8.30	49

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8506	1968	OLDS	CUTL	350	HI SPEED	26.0	330	2.60	1498
					LO SPEED	12.0	345	2.50	961
					IDLE DR		790	5.00	85
					IDLE NEU		1150	5.10	69
8507	1968	PLYM	SATE	318	HI SPEED	26.0	140	0.28	3373
					LO SPEED	12.0	140	0.20	1855
					IDLE DR		380	5.60	108
					IDLE NEU		340	4.80	83
8508	1968	PLYM	FRY3	318	HI SPEED	31.0	180	0.80	2698
					LO SPEED	15.0	300	1.00	3879
					IDLE DR		350	4.20	172
					IDLE NEU		310	3.40	117
8509	1968	PLYM	FRY3	383	HI SPEED	31.0	80	0.65	2445
					LO SPEED	15.0	165	2.10	1249
					IDLE DR		200	6.50	60
					IDLE NEU		230	6.50	47
8510	1966	PLYM	SPOR	383	HI SPEED	31.0	200	3.00	1128
					LO SPEED	15.0	280	3.10	834
					IDLE DR		530	8.60	80
					IDLE NEU		500	7.90	55
8511	1967	PONT	LEMA	326	HI SPEED	26.0	180	0.23	3963
					LO SPEED	12.0	245	0.65	2951
					IDLE DR		360	2.80	682
					IDLE NEU		339	3.10	162
8512	1968	PONT	STAW	400	HI SPEED	31.0	250	2.00	1624
					LO SPEED	15.0	325	4.50	436
					IDLE DR		199	0.10	76
					IDLE NEU		410	0.15	39
8513	1968	PONT	STAW	350	HI SPEED	31.0	95	0.30	3373
					LO SPEED	15.0	190	0.28	3204
					IDLE DR		244	3.80	162
					IDLE NEU		180	4.10	98

APPENDIX M CONT'D

LISTING OF FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8514	1968	PONT	CATA	400	HI SPEED	31.0	225	1.00	1677
					LO SPEED	15.0	200	0.90	1189
					IDLE DR		130	0.15	360
					IDLE NEU		1250	0.15	152
8515	1968	PONT	CATA	400	HI SPEED	31.0	160	1.30	2698
					LO SPEED	15.0	250	2.70	1746
					IDLE DR		230	2.50	221
					IDLE NEU		160	2.30	108
8516	1968	VOLK	SEDA	91	HI SPEED	21.0	380	4.60	2024
					LO SPEED	9.0	540	8.20	360
					IDLE DR				
					IDLE NEU		2000	10.00	25
8517	1966	VOLK	SEDA	97	HI SPEED	21.0	260	2.80	2530
					LO SPEED	9.0	260	3.20	1779
					IDLE DR				
					IDLE NEU		1790	0.30	122

APPENDIX N - LISTING OF ALTERNATE FEDERAL THREE MODE TEST EMISSION RESULTS ON INDIVIDUAL VEHICLES

Legend

VEHICLE NUMBER - Vehicle Number

YEAR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

CID - Engine Displacement in Cubic Inches

TEST MODE - Identifies the mode of the Alternate Three Mode Test being listed as shown in the table below

RLHP - Dynamometer load used in test as specified in the table below

HC - Exhaust Hydrocarbon concentration in PPM Hexane

CO - Exhaust Carbon Monoxide Concentration in mole per cent

NOx - Exhaust Oxides of Nitrogen Concentration in PPM

Revised Federal Three Mode Test Conditions

FTP Inertia Wt	Transmission Range	Actual Horsepower without A/C 52 mph	25 mph	with A/C 52 mph	25 mph	Idle
1750	52 mph mode	10.0	4.0	10.5	4.0	Auto
2000	in Drive,	10.5	4.5	11.5	4.5	Trans
2250	4th gear for	11.5	5.0	12.5	5.0	in
2500	4 & 5 speed	12.5	5.5	13.5	5.5	Drive &
2750	3rd gear for	13.0	6.0	14.5	6.0	Neutral
3000	3 speed	14.0	6.5	15.0	6.5	
3500		15.5	7.5	17.0	7.5	
4000	25 mph mode	17.0	8.5	18.5	8.5	
4500	in Drive,	19.0	9.5	20.0	10.0	
5000	3rd gear for	20.0	10.5	21.5	11.0	
5500	3, 4 & 5 speed	21.0	11.5	22.5	12.0	

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APPENDIX N

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6018	1976	AMC	STAW	258	HI SPEED	15.5	40	0.10	739
					LO SPEED	7.5	60	0.11	1024
					IDLE DR		140	4.90	157
					IDLE NEU		125	5.00	113
6021	1976	CADI	ELDO	500	HI SPEED	22.5	12	0.01	1024
					LO SPEED	12.0	18	0.01	511
					IDLE DR		100	0.81	568
					IDLE NEU		95	0.68	127
6022	1976	CHEV	STAW	350	HI SPEED	20.0	14	0.17	853
					LO SPEED	10.0	13	0.18	284
					IDLE DR		10	0.01	132
					IDLE NEU		10	0.01	137
6028	1976	CHEV	CHET	85	HI SPEED	11.5	40	0.02	3542
					LO SPEED	5.0	22	0.02	2698
					IDLE DR				
					IDLE NEU		13	0.02	152
6031	1976	FORD	STAW	140	HI SPEED	14.0	30	0.02	1024
					LO SPEED	6.5	45	0.02	322
					IDLE DR		35	0.01	103
					IDLE NEU		25	0.01	68
6032	1976	FORD	LTD	400	HI SPEED	20.0	35	0.01	765
					LO SPEED	10.0	50	0.01	675
					IDLE DR		100	0.01	303
					IDLE NEU		130	0.01	117
6035	1976	FORD	GRAN	302	HI SPEED	17.0	65	0.02	1148
					LO SPEED	7.5	60	0.01	455
					IDLE DR		50	0.01	157
					IDLE NEU		35	0.01	73
6036	1976	FORD	GRAN	351	HI SPEED	17.0	45	0.02	1066
					LO SPEED	7.5	55	0.01	1346
					IDLE DR		45	0.01	455
					IDLE NEU		50	0.01	132

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6037	1976	MERC	MONG	400	HI SPEED	20.0	35	0.02	758
					LO SPEED	10.0	70	0.01	606
					IDLE DR		50	0.01	739
					IDLE NEU		450	0.01	341
6038	1976	MERC	MONA	250	HI SPEED	17.0	30	0.10	982
					LO SPEED	7.5	40	0.10	360
					IDLE DR		35	0.10	186
					IDLE NEU		50	0.10	57
6039	1976	OLDS	OMEG	260	HI SPEED	17.0	30	0.10	940
					LO SPEED	7.5	60	0.10	568
					IDLE DR				
					IDLE NEU		160	1.20	69
6041	1976	OLDS	TORO	455	HI SPEED	21.5	15	0.01	896
					LO SPEED	11.0	15	0.01	511
					IDLE DR		15	0.01	167
					IDLE NEU		15	0.01	98
6042	1976	PLYM	VOLA	225	HI SPEED	15.5	55	0.02	5060
					LO SPEED	7.5	60	0.02	3879
					IDLE DR		180	1.40	455
					IDLE NEU		240	1.20	127
6043	1976	PLYM	VOLA	318	HI SPEED	18.5	50	0.01	1308
					LO SPEED	8.5	60	0.01	872
					IDLE DR		60	0.07	303
					IDLE NEU		80	0.05	147
6045	1976	PONT	GRNP	400	HI SPEED	20.0	38	0.01	2867
					LO SPEED	10.0	32	0.01	1677
					IDLE DR		23	0.01	322
					IDLE NEU		22	0.01	117
6201	1976	AMC	HORN	304	HI SPEED	15.5	32	0.01	606
					LO SPEED	7.5	34	0.01	464
					IDLE DR		33	0.01	115
					IDLE NEU		31	0.01	78

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6202	1976	AMC	STAW	258	HI SPEED	15.5	55	0.08	675
					LO SPEED	7.5	65	0.08	511
					IDLE DR		90	0.06	360
					IDLE NEU		75	0.08	137
6203	1976	AMC	MATA	360	HI SPEED	18.5	17	0.01	1288
					LO SPEED	8.5	15	0.01	521
					IDLE DR		14	0.01	130
					IDLE NEU		12	0.01	93
6204	1976	AMC	PACE	232	HI SPEED	15.5	40	0.26	568
					LO SPEED	7.5	95	0.38	940
					IDLE DR		155	0.20	455
					IDLE NEU		100	0.23	162
6205	1976	BUIC	CNTY	231	HI SPEED	17.0	32	0.02	1711
					LO SPEED	8.5	40	0.10	221
					IDLE DR		192	2.90	206
					IDLE NEU		165	3.00	57
6207	1976	BUIC	CNTY	350	HI SPEED	18.5	20	0.01	2024
					LO SPEED	8.5	20	0.01	1423
					IDLE DR		10	0.01	511
					IDLE NEU		10	0.01	137
6208	1976	BUIC	ELEC	455	HI SPEED	21.5	25	0.01	1423
					LO SPEED	11.0	30	0.01	322
					IDLE DR		20	0.01	186
					IDLE NEU		15	0.01	88
6209	1976	BUIC	CNTY	350	HI SPEED	18.5	20	0.01	1460
					LO SPEED	8.5	17	0.01	625
					IDLE DR		14	0.01	341
					IDLE NEU		13	0.01	117
6210	1976	BUIC	CNTY	231	HI SPEED	17.0	45	0.01	2530
					LO SPEED	8.5	40	0.01	834
					IDLE DR		160	2.90	284
					IDLE NEU		120	2.85	98

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6211	1976	BUIC	SKYL	260	HI SPEED	18.5	40	0.01	2024
					LO SPEED	8.5	35	0.01	1229
					IDLE DR		30	0.01	720
					IDLE NEU		30	0.01	132
6212	1976	CADI	SEVI	350	HI SPEED	20.0	35	0.10	1024
					LO SPEED	10.0	40	0.10	530
					IDLE DR		25	0.10	137
					IDLE NEU		35	0.10	59
6213	1976	CADI	DEVI	500	HI SPEED	22.5	20	0.01	940
					LO SPEED	12.0	30	0.18	492
					IDLE DR		13	0.01	625
					IDLE NEU		16	0.01	186
6214	1976	CADI	ELDO	500	HI SPEED	22.5	23	0.00	919
					LO SPEED	12.0	33	0.34	255
					IDLE DR		75	0.55	274
					IDLE NEU		97	0.46	52
6215	1976	CADI	DEVI	500	HI SPEED	22.5	30	0.10	765
					LO SPEED	12.0	30	0.10	398
					IDLE DR		25	0.10	815
					IDLE NEU		25	0.10	201
6216	1976	CHEV	CHET	85	HI SPEED	11.5	60	0.01	2530
					LO SPEED	5.0	40	0.01	3036
					IDLE DR				
					IDLE NEU		120	2.60	88
6217	1976	CHEV	IMPA	350	HI SPEED	20.0	15	0.08	1107
					LO SPEED	10.0	13	0.01	341
					IDLE DR		10	0.01	644
					IDLE NEU		23	0.01	196
6219	1976	CHEV	MONT	350	HI SPEED	17.0	25	0.01	1460
					LO SPEED	8.5	60	1.05	246
					IDLE DR		95	0.70	226
					IDLE NEU		35	0.25	47

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6220	1976	CHEV	NOVA	250	HI SPEED	15.5	70	0.01	929
					LO SPEED	7.5	200	1.50	1148
					IDLE DR		390	10.00	33
					IDLE NEU		500	10.00	23
6221	1976	CHEV	MONT	350	HI SPEED	18.5	20	0.02	1107
					LO SPEED	8.5	30	1.20	208
					IDLE DR		20	0.01	765
					IDLE NEU		20	0.01	147
6222	1976	CHEV	CAMA	305	HI SPEED	18.5	60	0.12	809
					LO SPEED	8.5	40	0.02	834
					IDLE DR		280	2.20	293
					IDLE NEU		200	1.10	71
6223	1976	CHEV	CAPR	400	HI SPEED	20.0	40	0.60	1249
					LO SPEED	10.0	35	0.26	597
					IDLE DR		18	0.05	199
					IDLE NEU		15	0.00	105
6225	1976	CHEV	IMPA	400	HI SPEED	20.0	20	0.01	1686
					LO SPEED	10.0	20	0.10	455
					IDLE DR		15	0.01	474
					IDLE NEU		15	0.01	132
6226	1976	CHEV	MONT	350	HI SPEED	18.5	20	0.01	1346
					LO SPEED	8.5	18	0.01	322
					IDLE DR		15	0.01	587
					IDLE NEU		14	0.01	127
6227	1976	CHEV	MONT	350	HI SPEED	18.5	20	0.01	1686
					LO SPEED	8.5	50	1.00	537
					IDLE DR		15	0.01	720
					IDLE NEU		15	0.01	162
6228	1976	CHEV	VEGA	140	HI SPEED	13.0	65	0.15	720
					LO SPEED	6.0	65	0.40	265
					IDLE DR				
					IDLE NEU		240	4.60	83

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6229	1976	CHEV	MONZ	262	HI SPEED	14.0	57	0.01	1677
					LO SPEED	6.5	33	0.01	739
					IDLE DR				
					IDLE NEU		27	0.01	152
6230	1976	CHEV	NOVA	350	HI SPEED	17.0	22	0.00	1385
					LO SPEED	7.5	20	0.00	521
					IDLE DR		30	0.35	206
					IDLE NEU		22	0.01	110
6231	1976	CHEV	MALI	350	HI SPEED	18.5	25	0.10	872
					LO SPEED	8.5	30	0.40	147
					IDLE DR		15	0.01	625
					IDLE NEU		17	0.01	142
6232	1976	CHEV	MALI	350	HI SPEED	17.0	25	0.01	1308
					LO SPEED	8.5	25	0.01	322
					IDLE DR		20	0.01	246
					IDLE NEU		35	0.01	63
6233	1976	CHEV	MONT	350	HI SPEED	18.5	30	0.25	584
					LO SPEED	8.5	120	2.50	189
					IDLE DR		180	1.60	142
					IDLE NEU		140	1.20	68
6234	1976	CHEV	CAMA	305	HI SPEED	17.0	25	0.01	1534
					LO SPEED	8.5	24	0.01	720
					IDLE DR		19	0.01	511
					IDLE NEU		21	0.01	122
6235	1976	CHEV	STAW	140	HI SPEED	14.0	55	0.05	2192
					LO SPEED	6.5	80	0.30	265
					IDLE DR		235	4.70	96
					IDLE NEU		205	4.90	71
6236	1976	CHEV	MONT	350	HI SPEED	17.0	80	1.00	982
					LO SPEED	8.5	140	3.40	172
					IDLE DR		140	1.00	191
					IDLE NEU		100	1.00	58

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6237	1976	CHEV	NOVA	250	HI SPEED	15.5	15	0.00	426
					LO SPEED	7.5	19	0.00	831
					IDLE DR		16	0.00	360
					IDLE NEU		21	0.00	77
6238	1976	CHEV	STAW	140	HI SPEED	14.0	100	1.10	1385
					LO SPEED	6.5	120	1.50	265
					IDLE DR		240	7.60	43
					IDLE NEU		200	7.20	37
6239	1976	CHEV	NOVA	262	HI SPEED	15.5	38	0.01	1288
					LO SPEED	7.5	28	0.01	896
					IDLE DR		24	0.01	398
					IDLE NEU		25	0.01	96
6240	1976	CHRY	CORD	400	HI SPEED	20.0	25	0.01	2783
					LO SPEED	10.0	23	0.01	1148
					IDLE DR		24	0.01	154
					IDLE NEU		21	0.01	90
6241	1976	CHRY	NEWP	400	HI SPEED	21.5	20	0.09	549
					LO SPEED	11.0	30	0.13	474
					IDLE DR		115	2.00	167
					IDLE NEU		70	1.90	113
6242	1976	DODG	ASPE	360	HI SPEED	17.0	30	0.10	1878
					LO SPEED	7.5	40	0.10	1711
					IDLE DR		110	3.20	98
					IDLE NEU		120	3.00	69
6243	1976	DODG	CHAR	400	HI SPEED	18.5	30	0.10	417
					LO SPEED	8.5	45	0.12	265
					IDLE DR		130	1.50	88
					IDLE NEU		120	1.40	63
6244	1976	DODG	ASPE	225	HI SPEED	15.5	39	0.22	1729
					LO SPEED	7.5	36	0.03	1107
					IDLE DR		180	3.30	125
					IDLE NEU		150	3.30	95

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6245	1976	DODG	CHAR	360	HI SPEED	18.5	30	0.26	701
					LO SPEED	8.5	22	0.01	739
					IDLE DR		35	0.01	92
					IDLE NEU		85	0.45	59
6246	1976	DODG	DART	318	HI SPEED	15.5	30	0.04	758
					LO SPEED	7.5	100	0.02	341
					IDLE DR		320	0.05	369
					IDLE NEU		120	0.15	98
6247	1976	DODG	DART	225	HI SPEED	15.5	71	0.02	1346
					LO SPEED	7.5	87	0.01	1148
					IDLE DR		230	2.90	284
					IDLE NEU		280	4.05	122
6248	1976	FORD	LTD	400	HI SPEED	20.0	29	0.01	777
					LO SPEED	10.0	35	0.01	720
					IDLE DR		60	0.01	701
					IDLE NEU		95	0.01	216
6250	1976	FORD	MAVE	250	HI SPEED	15.0	25	0.01	265
					LO SPEED	6.5	25	0.01	730
					IDLE DR		30	0.01	103
					IDLE NEU		25	0.01	47
6251	1976	FORD	STAW	460	HI SPEED	21.5	40	0.10	765
					LO SPEED	11.0	40	0.10	739
					IDLE DR		250	3.20	90
					IDLE NEU		340	3.00	55
6253	1976	FORD	GRAN	250	HI SPEED	15.5	25	0.01	584
					LO SPEED	7.5	35	0.01	227
					IDLE DR		30	0.01	1107
					IDLE NEU		20	0.01	157
6254	1976	FORD	GRAN	302	HI SPEED	15.5	60	0.03	982
					LO SPEED	7.5	80	0.02	748
					IDLE DR		75	0.02	711
					IDLE NEU		75	0.02	265

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6255	1976	FORD	STAW	140	HI SPEED	15.0	35	0.01	1107
					LO SPEED	6.5	50	0.01	398
					IDLE DR		30	0.01	61
					IDLE NEU		30	0.01	51
6256	1976	FORD	ELIT	351	HI SPEED	19.0	30	0.01	584
					LO SPEED	9.5	40	0.01	720
					IDLE DR		180	2.40	436
					IDLE NEU		160	1.20	117
6257	1976	FORD	MUST	171	HI SPEED	15.0	65	0.10	1107
					LO SPEED	6.5	60	0.10	940
					IDLE DR				
					IDLE NEU		240	0.10	69
6258	1976	FORD	GRAN	250	HI SPEED	17.0	13	0.01	587
					LO SPEED	7.5	16	0.01	211
					IDLE DR		12	0.01	274
					IDLE NEU		12	0.01	103
6259	1976	FORD	PINT	140	HI SPEED	13.0	50	0.02	1686
					LO SPEED	6.0	45	0.01	584
					IDLE DR				
					IDLE NEU		25	0.01	54
6260	1976	FORD	STAW	400	HI SPEED	21.5	24	0.01	796
					LO SPEED	11.0	21	0.01	587
					IDLE DR		33	0.01	196
					IDLE NEU		23	0.01	98
6261	1976	FORD	TORI	351	HI SPEED	20.0	25	0.01	720
					LO SPEED	10.0	35	0.01	630
					IDLE DR		35	0.01	172
					IDLE NEU		40	0.01	73
6262	1976	FORD	LTD	400	HI SPEED	19.0	13	0.01	369
					LO SPEED	9.5	18	0.01	284
					IDLE DR		25	0.01	255
					IDLE NEU		95	0.01	122

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6264	1976	FORD	LTD	400	HI SPEED	19.0	30	0.01	896
					LO SPEED	9.5	30	0.01	630
					IDLE DR		25	0.01	530
					IDLE NEU		600	1.80	103
6265	1976	FORD	ELIT	351	HI SPEED	19.0	70	0.08	1385
					LO SPEED	9.5	50	0.06	765
					IDLE DR		75	1.00	108
					IDLE NEU		40	0.06	58
6266	1976	FORD	GRAN	302	HI SPEED	15.5	65	0.01	982
					LO SPEED	7.5	70	0.01	853
					IDLE DR		60	0.01	675
					IDLE NEU		100	0.01	322
6267	1976	FORD	MUST	140	HI SPEED	14.0	33	0.01	1268
					LO SPEED	6.5	41	0.01	540
					IDLE DR		22	0.00	105
					IDLE NEU		17	0.00	65
6268	1976	LINC	MRK4	460	HI SPEED	22.5	30	0.02	701
					LO SPEED	12.0	25	0.01	530
					IDLE DR		25	0.01	237
					IDLE NEU		160	2.40	71
6269	1976	LINC	MRK4	460	HI SPEED	22.5	50	0.05	274
					LO SPEED	12.0	45	0.05	284
					IDLE DR		240	0.05	208
					IDLE NEU		760	1.10	66
6270	1976	MERC	MONA	302	HI SPEED	17.0	60	0.05	711
					LO SPEED	7.5	60	0.01	673
					IDLE DR		50	0.01	63
					IDLE NEU		35	0.01	57
6271	1976	MERC	MARQ	400	HI SPEED	21.5	23	0.01	815
					LO SPEED	11.0	25	0.01	578
					IDLE DR		27	0.01	436
					IDLE NEU		45	0.01	172

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6272	1976	MERC	MONA	302	HI SPEED	17.0	40	0.10	720
					LO SPEED	7.5	35	0.10	303
					IDLE DR		30	0.10	191
					IDLE NEU		40	0.10	90
6273	1976	MERC	MONG	400	HI SPEED	20.0	60	0.05	587
					LO SPEED	10.0	50	0.05	474
					IDLE DR		540	10.00	21
					IDLE NEU		1200	9.00	19
6274	1976	MERC	MONA	302	HI SPEED	15.5	40	0.04	765
					LO SPEED	7.5	40	0.01	341
					IDLE DR		35	0.01	208
					IDLE NEU		20	0.01	93
6275	1976	OLDS	CUTL	350	HI SPEED	18.5	18	0.01	982
					LO SPEED	8.5	30	0.01	398
					IDLE DR		460	6.90	51
					IDLE NEU		540	5.60	32
6276	1976	OLDS	CUTL	350	HI SPEED	18.5	30	0.01	1268
					LO SPEED	8.5	30	0.01	492
					IDLE DR		25	0.01	93
					IDLE NEU		20	0.01	78
6277	1976	OLDS	OMEG	260	HI SPEED	15.5	105	0.01	1686
					LO SPEED	7.5	100	0.01	809
					IDLE DR		95	0.01	584
					IDLE NEU		95	0.01	137
6278	1976	OLDS	CUTL	260	HI SPEED	17.0	20	0.01	1686
					LO SPEED	8.5	15	0.01	1229
					IDLE DR		15	0.01	284
					IDLE NEU		15	0.01	73
6279	1976	OLDS	NNTY	455	HI SPEED	21.5	20	0.01	1107
					LO SPEED	11.0	20	0.01	630
					IDLE DR		15	0.01	162
					IDLE NEU		15	0.01	54

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6280	1976	OLDS	CUTL	350	HI SPEED	18.5	25	0.01	982
					LO SPEED	8.5	25	0.01	303
					IDLE DR		20	0.01	341
					IDLE NEU		25	0.01	93
6281	1976	OLDS	STAW	350	HI SPEED	20.0	25	0.01	644
					LO SPEED	10.0	25	0.01	765
					IDLE DR		200	2.40	227
					IDLE NEU		25	0.10	73
6282	1976	OLDS	CUTL	350	HI SPEED	18.5	40	0.01	3204
					LO SPEED	8.5	40	0.01	2277
					IDLE DR		235	2.30	221
					IDLE NEU		315	1.52	83
6283	1976	OLDS	NNTY	455	HI SPEED	21.5	20	0.00	1128
					LO SPEED	11.0	15	0.00	786
					IDLE DR		12	0.00	341
					IDLE NEU		15	0.00	132
6285	1976	PLYM	VOLA	318	HI SPEED	17.0	80	0.05	1024
					LO SPEED	7.5	85	0.02	1346
					IDLE DR		330	4.05	108
					IDLE NEU		350	3.70	103
6286	1976	PLYM	FURY	360	HI SPEED	20.0	40	0.10	1746
					LO SPEED	10.0	50	0.10	1779
					IDLE DR		140	3.10	88
					IDLE NEU		120	2.90	73
6288	1976	PLYM	STAW	318	HI SPEED	17.0	40	0.01	625
					LO SPEED	8.5	50	0.01	654
					IDLE DR		280	6.50	81
					IDLE NEU		340	5.50	54
6289	1976	PLYM	VOLA	225	HI SPEED	15.5	70	0.10	5060
					LO SPEED	7.5	80	0.10	4048
					IDLE DR		340	7.80	132
					IDLE NEU		380	7.20	93

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6290	1976	PLYM	VOLA	225	HI SPEED	15.5	37	0.02	4385
					LO SPEED	7.5	43	0.02	3204
					IDLE DR		185	2.50	284
					IDLE NEU		205	2.15	132
6291	1976	PONT	STAW	140	HI SPEED	13.0	250	2.00	1498
					LO SPEED	6.0	340	3.70	682
					IDLE DR				
					IDLE NEU		1830	10.00	17
6293	1976	PONT	LEMA	350	HI SPEED	20.0	25	0.01	2361
					LO SPEED	10.0	22	0.30	1346
					IDLE DR		18	0.01	1910
					IDLE NEU		17	0.01	587
6294	1976	PONT	VENT	260	HI SPEED	15.5	25	0.01	720
					LO SPEED	7.5	25	0.01	379
					IDLE DR		20	0.01	492
					IDLE NEU		25	0.01	103
6295	1976	PONT	BONN	400	HI SPEED	21.5	20	0.10	474
					LO SPEED	11.0	20	0.10	360
					IDLE DR		20	0.10	84
					IDLE NEU		20	0.10	61
6296	1976	PONT	GRNP	350	HI SPEED	20.0	25	0.10	455
					LO SPEED	10.0	25	0.10	196
					IDLE DR		20	0.21	47
					IDLE NEU		20	0.10	41
6297	1976	PONT	LEMA	350	HI SPEED	18.5	17	0.01	1942
					LO SPEED	8.5	10	0.02	1189
					IDLE DR		9	0.00	711
					IDLE NEU		8	0.00	191
6298	1976	PONT	VENT	250	HI SPEED	15.5	35	0.01	1460
					LO SPEED	7.5	33	0.01	1229
					IDLE DR				
					IDLE NEU		28	0.01	137

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6299	1976	CAPR	GHIA	140	HI SPEED	13.0	29	0.03	436
					LO SPEED	6.0	25	0.02	398
					IDLE DR		25	0.01	96
					IDLE NEU		28	0.01	61
6300	1976	COLT	SEDA	97	HI SPEED	12.5	70	0.30	1677
					LO SPEED	5.5	120	0.90	1534
					IDLE DR		440	3.20	157
					IDLE NEU		315	2.95	98
6302	1976	DATS	STAW	119	HI SPEED	13.0	100	0.01	2361
					LO SPEED	6.0	75	0.01	1024
					IDLE DR				
					IDLE NEU		80	0.01	83
6304	1976	FIAT	X1/9	79	HI SPEED	11.5	65	1.15	758
					LO SPEED	5.0	75	1.00	206
					IDLE DR				
					IDLE NEU		140	2.00	69
6305	1976	FIAT	124	107	HI SPEED	12.5	20	0.34	940
					LO SPEED	5.5	20	0.40	341
					IDLE DR				
					IDLE NEU		15	0.40	55
6308	1976	MAZD	MIZE	78	HI SPEED	11.5	40	0.01	3120
					LO SPEED	5.0	42	0.01	3963
					IDLE DR				
					IDLE NEU		140	1.20	176
6309	1976	TOYO	CELI	133	HI SPEED	13.0	37	0.49	1694
					LO SPEED	6.0	140	2.00	777
					IDLE DR				
					IDLE NEU		55	0.65	69
6313	1976	VOLK	STAW	97	HI SPEED	12.5	90	0.30	3373
					LO SPEED	5.5	80	0.30	1460
					IDLE DR				
					IDLE NEU		100	2.40	127

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
6314	1976	VOLK	RABB	97	HI SPEED	10.5	60	0.22	221
					LO SPEED	4.5	95	2.40	45
					IDLE DR		480	9.40	9
					IDLE NEU		675	10.00	3
6316	1976	VOLV	264G	163	HI SPEED	17.0	80	0.01	796
					LO SPEED	7.5	120	0.01	369
					IDLE DR		345	0.02	77
					IDLE NEU		200	0.01	27
5054	1975	BUIC	LESA	350	HI SPEED	20.0	25	0.02	1268
					LO SPEED	10.0	100	2.80	265
					IDLE DR		120	5.00	113
					IDLE NEU		100	5.00	78
5055	1975	CADI	DEVI	500	HI SPEED	22.5	120	0.60	3036
					LO SPEED	12.0	200	1.80	2024
					IDLE DR		520	8.40	33
					IDLE NEU		880	8.00	21
5056	1975	CHEV	VEGA	140	HI SPEED	13.0	70	0.04	3879
					LO SPEED	6.0	75	0.14	1855
					IDLE DR				
					IDLE NEU		140	2.40	137
5063	1975	FORD	STAW	140	HI SPEED	14.0	110	0.10	1148
					LO SPEED	6.5	160	0.10	1229
					IDLE DR				
					IDLE NEU		65	0.10	59
5064	1975	FORD	STAW	351	HI SPEED	20.0	45	0.10	1066
					LO SPEED	10.0	20	0.10	322
					IDLE DR		40	0.10	181
					IDLE NEU		50	0.20	79
5065	1975	FORD	LTD	400	HI SPEED	19.0	45	0.25	673
					LO SPEED	9.5	70	0.20	521
					IDLE DR		130	0.85	122
					IDLE NEU		200	0.50	69

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5066	1975	FORD	GRAN	250	HI SPEED	15.5	30	0.01	1268
					LO SPEED	7.5	35	0.01	455
					IDLE DR				
					IDLE NEU		30	0.01	49
5067	1975	FORD	GRAN	302	HI SPEED	15.5	140	0.30	2530
					LO SPEED	7.5	180	0.50	584
					IDLE DR		280	4.00	147
					IDLE NEU		240	4.20	83
5068	1975	MERC	MARQ	460	HI SPEED	21.5	80	1.50	2004
					LO SPEED	11.0	100	2.00	918
					IDLE DR		190	7.40	73
					IDLE NEU		190	7.10	54
5070	1975	OLDS	DELT	455	HI SPEED	21.5	40	0.01	584
					LO SPEED	11.0	45	0.01	227
					IDLE DR		40	0.01	152
					IDLE NEU		50	0.01	68
5071	1975	PLYM	VALI	225	HI SPEED	15.5	37	0.01	3036
					LO SPEED	7.5	37	0.01	1813
					IDLE DR		27	0.01	303
					IDLE NEU		24	0.01	117
5074	1975	PONT	CATA	400	HI SPEED	20.0	55	0.06	1189
					LO SPEED	10.0	145	1.40	1385
					IDLE DR		230	3.05	113
					IDLE NEU		270	3.35	65
5075	1975	DATS	SEDA	85	HI SPEED	11.5	110	0.30	3204
					LO SPEED	5.0	120	0.20	1308
					IDLE DR				
					IDLE NEU		100	0.60	68
5076	1975	TOYO	CORO	133	HI SPEED	15.0	45	0.10	2361
					LO SPEED	6.5	90	0.80	1346
					IDLE DR		60	1.70	98
					IDLE NEU		35	0.55	59

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5077	1975	TOYO	CORO	133	HI SPEED	14.0	60	0.16	2530
					LO SPEED	6.5	32	0.26	587
					IDLE DR				
					IDLE NEU		50	0.90	44
5078	1975	VOLK	RABB	90	HI SPEED	10.5	145	3.20	1423
					LO SPEED	4.5	170	2.80	777
					IDLE DR				
					IDLE NEU		55	0.80	57
5079	1975	VOLK	RABB	90	HI SPEED	10.5	40	0.10	1385
					LO SPEED	4.5	40	0.10	896
					IDLE DR				
					IDLE NEU		25	0.10	75
5318	1975	BUIC	LESA	350	HI SPEED	20.0	40	1.80	584
					LO SPEED	10.0	100	3.00	208
					IDLE DR		35	0.01	196
					IDLE NEU		35	0.01	88
5319	1976	CADI	SEVI	350	HI SPEED	20.0	10	0.01	809
					LO SPEED	10.0	15	0.01	167
					IDLE DR		50	4.00	27
					IDLE NEU		10	0.01	59
5321	1975	CHEV	CAMA	350	HI SPEED	18.5	15	0.01	853
					LO SPEED	8.5	15	0.01	265
					IDLE DR		40	0.01	78
					IDLE NEU		35	0.01	68
5322	1975	CHEV	NOVA	262	HI SPEED	15.5	20	0.01	584
					LO SPEED	7.5	25	0.01	1148
					IDLE DR		15	0.01	675
					IDLE NEU		15	0.01	108
5325	1975	DODG	DART	225	HI SPEED	15.5	75	0.01	1642
					LO SPEED	7.5	75	0.01	1045
					IDLE DR		245	6.50	108
					IDLE NEU		200	6.10	91

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5326	1975	FORD	STAW	171	HI SPEED	15.0	33	0.14	1366
					LO SPEED	6.5	50	0.11	739
					IDLE DR		45	0.02	191
					IDLE NEU		37	0.02	82
5327	1975	FORD	LTD	400	HI SPEED	20.0	15	0.10	568
					LO SPEED	10.0	10	0.12	492
					IDLE DR		17	0.08	322
					IDLE NEU		15	0.08	113
5329	1975	LINC	CONT	460	HI SPEED	22.5	38	0.28	1024
					LO SPEED	12.0	40	0.42	587
					IDLE DR		75	1.75	108
					IDLE NEU		40	0.90	65
5330	1975	MERC	MONA	302	HI SPEED	15.5	25	0.05	765
					LO SPEED	7.5	30	0.02	455
					IDLE DR		25	0.01	208
					IDLE NEU		10	0.01	93
5331	1975	OLDS	OMEG	350	HI SPEED	17.0	25	0.01	1308
					LO SPEED	8.5	30	0.01	445
					IDLE DR		60	0.01	117
					IDLE NEU		85	0.01	50
5332	1975	OLDS	DELT	350	HI SPEED	21.5	65	0.22	584
					LO SPEED	11.0	55	0.60	809
					IDLE DR		380	3.00	68
					IDLE NEU		600	2.60	27
5333	1975	PLYM	GRNF	360	HI SPEED	20.0	19	0.08	1746
					LO SPEED	10.0	18	0.01	1045
					IDLE DR		50	0.50	120
					IDLE NEU		60	0.95	83
5334	1975	PONT	LEMA	250	HI SPEED	18.5	20	0.01	1189
					LO SPEED	8.5	25	0.01	1686
					IDLE DR		20	0.01	227
					IDLE NEU		20	0.01	93

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
5336	1975	FIAT	124	107	HI SPEED	13.0	240	1.70	767
					LO SPEED	6.0	200	3.10	184
					IDLE DR				
					IDLE NEU		1680	10.00	23
5337	1975	HOND	CIVI	91	HI SPEED	10.5	25	0.14	1686
					LO SPEED	4.5	25	0.18	675
					IDLE DR				
					IDLE NEU		120	0.18	88
5338	1975	MAZD	COUP	97	HI SPEED	12.5	25	0.11	331
					LO SPEED	5.5	40	0.06	157
					IDLE DR				
					IDLE NEU		55	0.72	45
4085	1974	CHEV	NOVA	250	HI SPEED	15.5	90	0.75	1327
					LO SPEED	7.5	80	0.15	464
					IDLE DR				
					IDLE NEU		80	1.35	44
4087	1974	CHEV	IMPA	350	HI SPEED	20.0	220	0.40	663
					LO SPEED	10.0	420	1.00	227
					IDLE DR		500	0.10	84
					IDLE NEU		450	0.15	41
4089	1974	CHRY	STAW	440	HI SPEED	22.5	80	0.80	2361
					LO SPEED	12.0	205	2.75	940
					IDLE DR		175	3.65	85
					IDLE NEU		139	3.60	68
4091	1974	FORD	PINT	122	HI SPEED	13.0	150	0.90	4722
					LO SPEED	6.0	240	3.90	1066
					IDLE DR				
					IDLE NEU		130	1.90	184
4092	1974	FORD	MAVE	302	HI SPEED	15.0	80	1.20	809
					LO SPEED	6.5	100	0.40	492
					IDLE DR		220	4.00	93
					IDLE NEU		100	1.20	73

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4093	1974	FORD	MAVE	250	HI SPEED	14.0	145	1.70	1779
					LO SPEED	6.5	170	2.40	502
					IDLE DR		270	9.20	69
					IDLE NEU		200	8.30	61
4094	1974	FORD	LTD	400	HI SPEED	20.0	60	0.20	1423
					LO SPEED	10.0	65	0.12	809
					IDLE DR		220	2.00	181
					IDLE NEU		140	2.00	93
4096	1974	MERC	COME	302	HI SPEED	15.0	140	0.70	1148
					LO SPEED	6.5	220	0.50	720
					IDLE DR				
					IDLE NEU		140	0.70	93
4097	1974	OLDS	CUTL	350	HI SPEED	18.5	120	0.20	1308
					LO SPEED	8.5	220	0.50	940
					IDLE DR		80	0.20	113
					IDLE NEU		70	0.40	78
4099	1974	PLYM	SATE	318	HI SPEED	18.5	150	0.39	2192
					LO SPEED	8.5	210	0.80	2108
					IDLE DR		165	1.90	147
					IDLE NEU		135	1.85	98
4104	1974	TOYO	CORO	120	HI SPEED	14.5	55	0.18	2004
					LO SPEED	6.0	85	0.31	1268
					IDLE DR		275	2.80	231
					IDLE NEU		210	3.25	113
4105	1974	VOLK	SEDA	97	HI SPEED	12.5	165	0.47	2192
					LO SPEED	5.0	185	0.51	1779
					IDLE DR				
					IDLE NEU		180	5.40	98
4106	1974	VOLK	SEDA	97	HI SPEED	11.5	110	0.60	1779
					LO SPEED	5.0	120	0.60	1308
					IDLE DR				
					IDLE NEU		110	2.90	127

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4339	1974	AMC	HORN	258	HI SPEED	14.0	55	0.04	521
					LO SPEED	6.5	55	0.04	587
					IDLE DR		190	4.50	86
					IDLE NEU		180	5.00	77
4341	1974	BUIC	CNTY	350	HI SPEED	18.5	40	0.75	654
					LO SPEED	8.5	70	0.95	265
					IDLE DR		70	1.00	91
					IDLE NEU		37	0.35	58
4343	1974	CHEV	IMPA	350	HI SPEED	19.0	40	0.75	1479
					LO SPEED	9.5	48	2.00	246
					IDLE DR		75	3.80	77
					IDLE NEU		30	1.00	65
4348	1974	DODG	DART	318	HI SPEED	18.5	150	0.35	2361
					LO SPEED	8.5	220	0.42	2530
					IDLE DR		185	1.35	159
					IDLE NEU		150	0.50	93
4349	1974	FORD	TORI	351	HI SPEED	17.0	115	1.15	2108
					LO SPEED	8.5	140	0.73	1229
					IDLE DR		165	6.00	108
					IDLE NEU		130	5.80	98
4350	1974	FORD	LTD	400	HI SPEED	20.0	100	0.18	1148
					LO SPEED	10.0	90	0.12	644
					IDLE DR		220	0.40	147
					IDLE NEU		200	0.80	73
4351	1974	FORD	THND	460	HI SPEED	21.5	140	3.40	1024
					LO SPEED	11.0	160	4.10	284
					IDLE DR		200	8.20	75
					IDLE NEU		180	8.20	65
4352	1974	FORD	PINT	140	HI SPEED	13.0	140	0.80	2361
					LO SPEED	6.0	270	2.90	982
					IDLE DR		290	9.60	68
					IDLE NEU		255	9.60	61

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
4353	1974	LINC	CONT	460	HI SPEED	22.5	120	1.50	1878
					LO SPEED	12.0	140	2.00	896
					IDLE DR		200	8.60	77
					IDLE NEU		230	9.20	63
4355	1974	OLDS	CUTL	350	HI SPEED	18.5	60	0.70	940
					LO SPEED	8.5	120	1.00	675
					IDLE DR		100	0.90	157
					IDLE NEU		100	1.00	88
4356	1974	PLYM	VALI	318	HI SPEED	17.0	150	0.20	1498
					LO SPEED	7.5	200	0.60	1878
					IDLE DR		180	4.10	122
					IDLE NEU		150	3.90	71
4358	1974	PONT	FIRE	350	HI SPEED	17.0	200	1.60	2530
					LO SPEED	8.5	220	1.20	1642
					IDLE DR		340	2.60	127
					IDLE NEU		300	3.00	83
4359	1974	CAPR	COUP	122	HI SPEED	12.5	140	0.23	2530
					LO SPEED	5.5	190	0.30	1189
					IDLE DR				
					IDLE NEU		160	4.10	61
4360	1974	DATS	SEDA	79	HI SPEED	11.5	75	0.16	1308
					LO SPEED	5.0	100	0.80	809
					IDLE DR		200	1.00	246
					IDLE NEU		140	1.20	132
3107	1973	AMC	GREM	232	HI SPEED	14.0	50	0.15	1659
					LO SPEED	6.5	160	0.65	767
					IDLE DR				
					IDLE NEU		370	8.10	45
3109	1973	BUIC	CNTY	350	HI SPEED	18.5	72	0.21	2361
					LO SPEED	8.5	110	0.16	1534
					IDLE DR		100	0.60	284
					IDLE NEU		55	0.21	86

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3111	1973	CHEV	VEGA	140	HI SPEED	12.5	145	0.35	2783
					LO SPEED	5.5	205	1.30	1694
					IDLE DR				
					IDLE NEU		115	0.28	147
3112	1973	CHEV	NOVA	350	HI SPEED	15.5	75	1.10	464
					LO SPEED	7.5	270	4.90	79
					IDLE DR		235	7.00	50
					IDLE NEU		65	3.30	47
3114	1973	CHEV	IMPA	350	HI SPEED	20.0	65	0.41	1910
					LO SPEED	10.0	130	2.05	777
					IDLE DR		120	2.00	108
					IDLE NEU		50	0.67	73
3115	1973	CHEV	IMPA	350	HI SPEED	20.0	40	0.75	853
					LO SPEED	10.0	95	1.70	303
					IDLE DR		105	1.22	80
					IDLE NEU		55	0.59	55
3116	1973	DODG	DART	225	HI SPEED	15.0	145	1.05	3542
					LO SPEED	6.5	245	0.30	2867
					IDLE DR		352	8.90	98
					IDLE NEU		270	6.90	115
3117	1973	FORD	STAW	122	HI SPEED	13.0	170	0.24	3373
					LO SPEED	6.0	275	0.60	2192
					IDLE DR		360	2.80	82
					IDLE NEU		280	2.30	55
3118	1973	FORD	TORI	351	HI SPEED	18.5	180	0.89	682
					LO SPEED	8.5	165	0.72	398
					IDLE DR		400	7.40	67
					IDLE NEU		255	7.90	55
3120	1973	FORD	GALA	351	HI SPEED	20.0	180	0.60	3542
					LO SPEED	10.0	210	2.00	910
					IDLE DR		260	6.80	108
					IDLE NEU		200	7.00	88

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3121	1973	FORD	LTD	400	HI SPEED	20.0	120	0.40	2698
					LO SPEED	10.0	140	0.80	1855
					IDLE DR		200	2.60	157
					IDLE NEU		160	2.40	93
3123	1973	OLDS	STAW	455	HI SPEED	22.5	70	0.30	3626
					LO SPEED	12.0	140	0.78	1926
					IDLE DR		75	0.07	145
					IDLE NEU		80	0.09	97
3124	1973	OLDS	CUTL	350	HI SPEED	18.5	140	0.20	2361
					LO SPEED	8.5	200	0.40	1107
					IDLE DR		180	1.00	127
					IDLE NEU		120	0.80	83
3125	1973	PLYM	SATE	318	HI SPEED	18.5	265	1.83	1878
					LO SPEED	8.5	350	0.83	1128
					IDLE DR		290	3.60	98
					IDLE NEU		330	2.80	113
3127	1973	PONT	BONN	400	HI SPEED	20.0	125	0.43	940
					LO SPEED	10.0	130	0.51	303
					IDLE DR		420	7.70	63
					IDLE NEU		440	8.50	45
3128	1973	PONT	CATA	350	HI SPEED	20.0	140	0.50	3373
					LO SPEED	10.0	240	0.50	2867
					IDLE DR		200	2.00	176
					IDLE NEU		140	2.60	103
3130	1973	OPEL	MANT	116	HI SPEED	12.5	79	0.65	1189
					LO SPEED	5.5	95	1.85	407
					IDLE DR				
					IDLE NEU		100	4.40	78
3131	1973	TOYO	CARI	97	HI SPEED	12.5	235	1.20	2951
					LO SPEED	5.5	180	1.15	853
					IDLE DR				
					IDLE NEU		530	9.90	50

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3132	1973	VOLK	SEDA	103	HI SPEED	13.0	200	2.00	2698
					LO SPEED	6.0	320	2.80	1423
					IDLE DR		220	3.40	83
					IDLE NEU		380	6.40	31
3133	1973	VOLK	SEDA	97	HI SPEED	11.5	150	0.32	3879
					LO SPEED	5.0	120	0.09	1423
					IDLE DR				
					IDLE NEU		140	1.10	135
3362	1973	BUIC	CNTY	350	HI SPEED	18.5	55	1.30	568
					LO SPEED	8.5	130	1.70	284
					IDLE DR		160	3.20	78
					IDLE NEU		60	0.80	53
3363	1973	BUIC	ELEC	455	HI SPEED	21.5	45	0.42	787
					LO SPEED	11.0	60	0.27	388
					IDLE DR		70	1.40	147
					IDLE NEU		60	0.95	83
3365	1973	CHEV	STAW	140	HI SPEED	13.0	200	1.00	2867
					LO SPEED	6.0	260	2.20	1308
					IDLE DR				
					IDLE NEU		260	5.60	108
3366	1973	CHEV	CAMA	350	HI SPEED	15.5	140	0.60	1878
					LO SPEED	7.5	300	6.80	196
					IDLE DR		360	9.40	55
					IDLE NEU		350	8.40	35
3367	1973	CHEV	IMPA	350	HI SPEED	20.0	60	0.72	2024
					LO SPEED	10.0	90	2.60	767
					IDLE DR		95	2.90	82
					IDLE NEU		55	1.60	59
3368	1973	CHEV	NOVA	307	HI SPEED	17.0	55	0.30	834
					LO SPEED	7.5	85	0.12	530
					IDLE DR		165	0.08	240
					IDLE NEU		325	0.11	76

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3369	1973	CHEV	STAW	454	HI SPEED	21.5	140	0.32	1677
					LO SPEED	11.0	162	0.38	918
					IDLE DR		360	4.50	86
					IDLE NEU		330	4.20	61
3370	1973	CHRY	NEWP	400	HI SPEED	20.0	75	0.85	1268
					LO SPEED	10.0	200	1.80	929
					IDLE DR		325	4.60	73
					IDLE NEU		220	5.10	48
3371	1973	DODG	CHAR	318	HI SPEED	17.0	140	0.43	3036
					LO SPEED	8.5	200	0.29	2024
					IDLE DR		210	4.50	132
					IDLE NEU		170	4.90	92
3372	1973	DODG	POLA	360	HI SPEED	18.5	160	2.60	2024
					LO SPEED	8.5	180	1.00	2024
					IDLE DR		120	1.20	208
					IDLE NEU		80	1.60	113
3374	1973	FORD	TORI	351	HI SPEED	18.5	150	0.55	1711
					LO SPEED	8.5	195	0.40	1327
					IDLE DR		255	5.60	39
					IDLE NEU		270	6.10	32
3375	1973	FORD	LTD	400	HI SPEED	20.0	95	0.30	1973
					LO SPEED	10.0	150	0.42	1107
					IDLE DR		245	4.30	103
					IDLE NEU		220	5.05	77
3377	1973	MERC	MONG	302	HI SPEED	17.0	110	0.18	1779
					LO SPEED	8.5	120	0.15	701
					IDLE DR		230	1.15	132
					IDLE NEU		200	0.90	88
3378	1973	OLDS	CUTL	350	HI SPEED	18.5	110	0.18	1878
					LO SPEED	8.5	105	0.28	777
					IDLE DR		130	0.08	110
					IDLE NEU		150	1.10	60

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
3379	1973	OLDS	DELT	455	HI SPEED	20.0	65	0.18	1423
					LO SPEED	10.0	120	0.55	982
					IDLE DR		110	1.15	96
					IDLE NEU		95	1.50	71
3380	1973	PLYM	SATE	318	HI SPEED	18.5	140	0.20	2361
					LO SPEED	8.5	240	0.20	2192
					IDLE DR		220	5.20	117
					IDLE NEU		160	5.40	88
3381	1973	PONT	LEMA	350	HI SPEED	17.0	150	0.30	1308
					LO SPEED	8.5	320	0.15	2530
					IDLE DR		360	7.20	88
					IDLE NEU		340	8.00	51
3382	1973	PONT	BONN	400	HI SPEED	20.0	30	0.20	530
					LO SPEED	10.0	40	0.10	379
					IDLE DR		80	0.30	186
					IDLE NEU		90	0.50	113
3383	1973	CAPR	COUP	122	HI SPEED	12.5	150	0.30	1878
					LO SPEED	5.5	140	0.35	739
					IDLE DR				
					IDLE NEU		130	3.20	29
3384	1973	MAZD	STAW	70	HI SPEED	12.5	130	0.50	540
					LO SPEED	5.5	220	1.30	184
					IDLE DR		1200	2.50	24
					IDLE NEU		800	2.70	18
2134	1972	AMC	GREM	258	HI SPEED	13.0	130	0.23	3036
					LO SPEED	6.0	230	0.52	1677
					IDLE DR		290	4.10	127
					IDLE NEU		245	3.70	93
2135	1972	BUIC	RIVI	455	HI SPEED	21.5	215	0.49	1442
					LO SPEED	11.0	510	0.28	982
					IDLE DR		1020	0.23	369
					IDLE NEU		743	0.20	117

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2136	1972	CADI	DEVI	472	HI SPEED	21.5	40	0.15	758
					LO SPEED	11.0	70	1.60	172
					IDLE DR		240	5.60	27
					IDLE NEU		180	4.80	21
2137	1972	CHEV	STAW	140	HI SPEED	13.0	60	0.50	940
					LO SPEED	6.0	60	0.60	417
					IDLE DR				
					IDLE NEU		120	0.90	61
2138	1972	CHEV	MALI	350	HI SPEED	15.5	135	0.80	2530
					LO SPEED	7.5	160	0.40	1346
					IDLE DR		200	3.00	157
					IDLE NEU		120	3.00	93
2139	1972	CHEV	MONT	350	HI SPEED	18.5	160	1.00	2867
					LO SPEED	8.5	190	0.22	1571
					IDLE DR		320	6.20	103
					IDLE NEU		290	5.60	68
2140	1972	CHEV	NOVA	307	HI SPEED	15.5	110	0.18	2192
					LO SPEED	7.5	240	0.40	1346
					IDLE DR		380	6.20	88
					IDLE NEU		260	5.80	67
2141	1972	CHEV	IMPA	350	HI SPEED	20.0	110	0.51	2445
					LO SPEED	10.0	220	2.50	654
					IDLE DR		250	3.30	117
					IDLE NEU		150	4.10	95
2142	1972	CHEV	IMPA	400	HI SPEED	20.0	105	1.20	2698
					LO SPEED	10.0	135	0.30	1910
					IDLE DR		260	4.80	115
					IDLE NEU		200	4.70	73
2143	1972	DODG	DART	318	HI SPEED	15.0	210	0.80	2108
					LO SPEED	6.5	265	0.25	1128
					IDLE DR		115	0.62	982
					IDLE NEU		70	0.55	206

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2144	1972	FORD	PINT	122	HI SPEED	11.5	195	0.65	3710
					LO SPEED	5.0	225	1.45	2192
					IDLE DR				
					IDLE NEU		1000	6.90	79
2145	1972	FORD	STAW	351	HI SPEED	18.5	90	0.70	1107
					LO SPEED	8.5	70	0.20	606
					IDLE DR		80	0.10	322
					IDLE NEU		70	0.20	127
2146	1972	FORD	MAVE	200	HI SPEED	13.0	180	0.15	3879
					LO SPEED	6.0	320	1.00	1878
					IDLE DR		550	8.40	117
					IDLE NEU		440	7.80	82
2147	1972	FORD	LTD	351	HI SPEED	20.0	145	0.30	2361
					LO SPEED	10.0	125	0.13	872
					IDLE DR		280	6.20	73
					IDLE NEU		260	5.80	54
2148	1972	FORD	LTD	400	HI SPEED	20.0	55	0.16	2277
					LO SPEED	10.0	68	0.15	940
					IDLE DR		150	4.50	42
					IDLE NEU		120	4.00	88
2149	1972	MERC	MONR	400	HI SPEED	20.0	110	0.30	2530
					LO SPEED	10.0	140	0.15	1346
					IDLE DR		180	3.40	172
					IDLE NEU		110	3.00	108
2150	1972	OLDS	CUTL	350	HI SPEED	17.0	150	0.65	2277
					LO SPEED	7.5	280	1.70	961
					IDLE DR		210	3.80	98
					IDLE NEU		160	3.30	76
2151	1972	PLYM	DUST	225	HI SPEED	14.0	175	1.95	2192
					LO SPEED	6.5	290	3.50	644
					IDLE DR		295	3.30	132
					IDLE NEU		650	2.40	79

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2152	1972	PLYM	FRY3	360	HI SPEED	18.5	190	2.50	1910
					LO SPEED	8.5	200	1.30	982
					IDLE DR		270	4.00	186
					IDLE NEU		250	3.70	103
2153	1972	PONT	FIRE	400	HI SPEED	17.0	140	2.20	1128
					LO SPEED	7.5	240	3.20	350
					IDLE DR		195	3.90	92
					IDLE NEU		180	5.60	62
2154	1972	PONT	LEMA	350	HI SPEED	15.5	120	0.60	2024
					LO SPEED	7.5	220	1.00	1346
					IDLE DR		500	6.00	108
					IDLE NEU		480	5.60	68
2155	1972	DATS	STAW	97	HI SPEED	12.5	180	0.40	2867
					LO SPEED	5.5	140	0.40	675
					IDLE DR				
					IDLE NEU		380	7.60	88
2156	1972	TOYO	CORO	120	HI SPEED	12.5	210	2.80	1855
					LO SPEED	5.5	260	3.00	896
					IDLE DR				
					IDLE NEU		65	0.08	78
2157	1972	VOLK	SEDA	97	HI SPEED	11.5	195	0.39	3036
					LO SPEED	5.0	245	0.62	1589
					IDLE DR				
					IDLE NEU		170	4.50	89
2158	1972	VOLK	STAW	103	HI SPEED	13.0	100	0.60	1571
					LO SPEED	6.0	140	0.70	1148
					IDLE DR		320	6.80	63
					IDLE NEU		820	7.00	57
2385	1972	BUIC	SKYL	350	HI SPEED	17.0	140	0.80	2361
					LO SPEED	8.5	230	1.50	1066
					IDLE DR		260	5.20	93
					IDLE NEU		200	5.60	77

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	TEST CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2386	1972	BUIC	STAW	455	HI SPEED	22.5	18	0.09	1229
					LO SPEED	12.0	40	0.10	910
					IDLE DR		50	0.65	162
					IDLE NEU		45	0.35	103
2387	1972	CHEV	VEGA	140	HI SPEED	12.5	70	1.05	1729
					LO SPEED	5.5	120	0.72	1148
					IDLE DR		75	1.25	70
					IDLE NEU		55	0.82	53
2388	1972	CHEV	CHEL	307	HI SPEED	15.5	170	0.35	1796
					LO SPEED	7.5	265	0.18	1066
					IDLE DR		350	2.20	113
					IDLE NEU		225	1.00	71
2389	1972	CHEV	IMPA	350	HI SPEED	20.0	70	0.75	1148
					LO SPEED	10.0	110	1.40	692
					IDLE DR		290	4.60	96
					IDLE NEU		145	2.60	75
2390	1972	CHEV	IMPA	350	HI SPEED	20.0	125	2.00	1268
					LO SPEED	10.0	190	2.80	625
					IDLE DR		380	8.45	68
					IDLE NEU		300	7.00	57
2391	1972	CHEV	STAW	400	HI SPEED	21.5	120	1.00	2361
					LO SPEED	11.0	140	0.20	1460
					IDLE DR		220	0.10	167
					IDLE NEU		320	0.20	61
2392	1972	CHRY	NEWP	400	HI SPEED	20.0	115	1.85	1442
					LO SPEED	10.0	75	0.25	891
					IDLE DR		150	3.30	110
					IDLE NEU		140	3.70	84
2393	1972	DODG	DART	225	HI SPEED	14.0	100	0.80	1779
					LO SPEED	6.5	200	0.50	1024
					IDLE DR				
					IDLE NEU		160	3.70	61

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2394	1972	FORD	PINT	122	HI SPEED	12.5	200	2.80	4554
					LO SPEED	5.5	210	0.60	1346
					IDLE DR		50	0.10	127
					IDLE NEU		35	0.10	96
2395	1972	FORD	TORI	302	HI SPEED	18.5	130	0.35	1498
					LO SPEED	8.5	160	0.12	654
					IDLE DR		255	4.40	113
					IDLE NEU		180	3.30	86
2396	1972	FORD	TORI	351	HI SPEED	17.0	115	0.60	2867
					LO SPEED	7.5	95	0.36	929
					IDLE DR		130	2.10	274
					IDLE NEU		100	2.65	132
2397	1972	FORD	LTD	429	HI SPEED	20.0	140	2.00	1878
					LO SPEED	10.0	110	0.50	809
					IDLE DR		180	3.00	113
					IDLE NEU		120	2.50	93
2398	1972	LINC	MRK4	460	HI SPEED	21.5	100	1.00	2530
					LO SPEED	11.0	105	0.14	1677
					IDLE DR		130	1.70	218
					IDLE NEU		110	2.05	113
2399	1972	MERC	MARQ	429	HI SPEED	20.0	90	0.45	2783
					LO SPEED	10.0	70	0.12	1366
					IDLE DR		80	0.75	265
					IDLE NEU		40	0.65	147
2402	1972	PLYM	DUST	318	HI SPEED	15.0	100	0.20	2277
					LO SPEED	6.5	230	0.48	1677
					IDLE DR		220	6.15	103
					IDLE NEU		195	5.90	83
2403	1972	PONT	STAW	455	HI SPEED	21.5	80	0.25	2530
					LO SPEED	11.0	130	0.10	1189
					IDLE DR		160	1.10	113
					IDLE NEU		120	1.20	73

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
2404	1972	CAPR	COUP	122	HI SPEED	12.5	105	0.15	2192
					LO SPEED	5.5	110	0.45	1385
					IDLE DR				
					IDLE NEU		300	2.50	127
1160	1971	BUIC	SKYL	350	HI SPEED	15.5	115	0.45	2530
					LO SPEED	7.5	240	3.25	758
					IDLE DR		275	6.00	127
					IDLE NEU		230	6.20	80
1161	1971	CHEV	VEGA	140	HI SPEED	12.5	180	1.20	1087
					LO SPEED	5.5	150	0.65	834
					IDLE DR				
					IDLE NEU		790	10.00	38
1162	1971	CHEV	MALI	350	HI SPEED	17.0	110	1.30	1385
					LO SPEED	7.5	145	0.95	872
					IDLE DR		265	3.15	181
					IDLE NEU		165	3.05	98
1163	1971	CHEV	CAMA	307	HI SPEED	15.5	70	0.32	1423
					LO SPEED	7.5	95	0.17	1003
					IDLE DR		320	3.75	159
					IDLE NEU		180	2.70	90
1165	1971	CHEV	BELA	350	HI SPEED	18.5	170	1.00	2361
					LO SPEED	8.5	230	0.15	1677
					IDLE DR		280	3.80	64
					IDLE NEU		275	3.20	67
1166	1971	CHRY	NEWP	440	HI SPEED	20.0	130	2.65	1107
					LO SPEED	10.0	185	1.70	910
					IDLE DR		140	3.10	103
					IDLE NEU		110	2.95	80
1169	1971	FORD	TORI	302	HI SPEED	17.0	105	0.52	1677
					LO SPEED	7.5	175	0.39	1066
					IDLE DR		120	0.32	265
					IDLE NEU		90	0.35	206

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1170	1971	FORD	MUST	250	HI SPEED	14.0	180	0.50	4891
					LO SPEED	6.5	280	0.35	3542
					IDLE DR		460	4.80	122
					IDLE NEU		340	4.10	117
1171	1971	FORD	GALA	351	HI SPEED	18.5	215	0.89	3204
					LO SPEED	8.5	220	0.12	2361
					IDLE DR		380	1.15	417
					IDLE NEU		485	1.00	103
1173	1971	MERC	COUG	351	HI SPEED	17.0	120	0.39	2277
					LO SPEED	7.5	130	0.37	815
					IDLE DR		135	1.40	213
					IDLE NEU		140	1.13	117
1174	1971	OLDS	NNTY	455	HI SPEED	21.5	65	0.24	3204
					LO SPEED	11.0	110	0.60	1686
					IDLE DR		120	1.60	103
					IDLE NEU		120	1.60	73
1175	1971	PLYM	VALI	225	HI SPEED	14.0	110	0.85	3373
					LO SPEED	6.5	170	0.75	2361
					IDLE DR		190	2.59	274
					IDLE NEU		140	2.05	162
1176	1971	PONT	BONN	455	HI SPEED	20.0	60	0.24	1249
					LO SPEED	10.0	155	2.00	511
					IDLE DR		480	9.30	28
					IDLE NEU		525	9.10	21
1177	1971	PONT	LEMA	350	HI SPEED	18.5	60	0.23	1148
					LO SPEED	8.5	100	0.25	559
					IDLE DR		235	2.35	137
					IDLE NEU		172	3.10	79
1178	1971	DATS	STAW	97	HI SPEED	12.5	285	0.14	3963
					LO SPEED	5.5	340	0.30	2698
					IDLE DR				
					IDLE NEU		825	0.16	191

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1179	1971	TOYO	CORO	71	HI SPEED	10.5	220	1.30	1746
					LO SPEED	4.5	360	2.80	559
					IDLE DR				
					IDLE NEU		305	2.90	57
1180	1971	VOLK	SEDA	97	HI SPEED	10.5	130	1.80	1308
					LO SPEED	4.5	100	0.43	940
					IDLE DR				
					IDLE NEU		170	3.00	127
1405	1971	AMC	AMBA	360	HI SPEED	18.5	140	1.00	3373
					LO SPEED	8.5	220	1.20	1423
					IDLE DR		180	2.10	172
					IDLE NEU		120	2.00	108
1406	1971	BUIC	STAW	455	HI SPEED	22.5	70	1.00	1327
					LO SPEED	12.0	95	1.40	549
					IDLE DR		100	1.85	135
					IDLE NEU		80	2.30	87
1407	1971	CADI	DEVI	472	HI SPEED	21.5	60	1.30	1460
					LO SPEED	11.0	150	2.80	530
					IDLE DR		120	3.20	79
					IDLE NEU		60	1.50	73
1408	1971	CHEV	CHEL	350	HI SPEED	17.0	200	0.25	2445
					LO SPEED	7.5	280	0.28	1763
					IDLE DR		530	0.25	834
					IDLE NEU		1280	0.31	189
1409	1971	CHEV	MALI	307	HI SPEED	15.5	200	1.30	1763
					LO SPEED	7.5	300	0.15	1423
					IDLE DR				
					IDLE NEU		260	2.90	55
1410	1971	CHEV	MALI	350	HI SPEED	17.0	120	2.00	872
					LO SPEED	7.5	135	0.31	673
					IDLE DR		285	3.90	90
					IDLE NEU		230	4.05	66

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PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1411	1971	CHEV	IMPA	400	HI SPEED	20.0	100	1.50	1346
					LO SPEED	10.0	120	0.60	853
					IDLE DR		300	7.60	73
					IDLE NEU		260	7.20	55
1412	1971	DODG	DART	225	HI SPEED	14.0	162	0.80	3036
					LO SPEED	6.5	345	3.62	961
					IDLE DR		452	9.30	78
					IDLE NEU		385	8.30	69
1413	1971	FORD	STAW	302	HI SPEED	18.5	245	0.45	3036
					LO SPEED	8.5	210	0.31	1148
					IDLE DR		700	1.70	196
					IDLE NEU		1140	1.60	98
1415	1971	FORD	GALA	351	HI SPEED	18.5	220	1.95	2361
					LO SPEED	8.5	275	0.70	1308
					IDLE DR		360	9.30	77
					IDLE NEU		345	9.70	55
1416	1971	MERC	STAW	400	HI SPEED	20.0	20	0.05	834
					LO SPEED	10.0	25	0.11	777
					IDLE DR		105	3.70	147
					IDLE NEU		80	3.60	103
1417	1971	OLDS	STAW	350	HI SPEED	15.5	175	0.75	2698
					LO SPEED	7.5	205	0.40	1606
					IDLE DR		150	1.75	162
					IDLE NEU		110	1.30	108
1418	1971	OLDS	CUTL	350	HI SPEED	17.0	170	0.59	2867
					LO SPEED	7.5	245	1.00	1606
					IDLE DR		250	4.20	137
					IDLE NEU		225	4.80	98
1419	1971	PLYM	VALI	318	HI SPEED	14.0	205	0.90	2867
					LO SPEED	6.5	430	2.40	1229
					IDLE DR		260	5.10	108
					IDLE NEU		190	5.05	84

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
1421	1971	PONT	VENT	307	HI SPEED	15.5	170	0.60	1796
					LO SPEED	7.5	100	0.27	644
					IDLE DR		390	7.40	88
					IDLE NEU		295	7.45	71
1422	1971	VOLK	SEDA	97	HI SPEED	11.5	240	1.50	1846
					LO SPEED	5.0	280	2.10	940
					IDLE DR				
					IDLE NEU		460	7.50	78
0181	1970	AMC	HORN	232	HI SPEED	14.0	45	0.18	1813
					LO SPEED	6.5	80	0.12	796
					IDLE DR		160	2.90	122
					IDLE NEU		120	3.75	90
0182	1970	BUIC	WILD	455	HI SPEED	20.0	80	0.60	1942
					LO SPEED	10.0	120	1.80	606
					IDLE DR		210	4.60	108
					IDLE NEU		180	4.60	80
0183	1970	CHEV	NOVA	307	HI SPEED	15.5	140	3.30	654
					LO SPEED	7.5	230	2.50	322
					IDLE DR		450	10.00	71
					IDLE NEU		350	8.80	54
0186	1970	CHEV	IMPA	350	HI SPEED	18.5	190	1.40	1694
					LO SPEED	8.5	180	0.15	982
					IDLE DR		360	4.25	132
					IDLE NEU		315	4.50	86
0187	1970	CHEV	IMPA	400	HI SPEED	18.5	120	0.95	1989
					LO SPEED	8.5	140	0.30	1128
					IDLE DR		340	4.10	105
					IDLE NEU		380	3.80	64
0188	1970	DODG	CORO	225	HI SPEED	15.5	130	1.70	2867
					LO SPEED	7.5	259	3.70	1107
					IDLE DR				
					IDLE NEU		160	4.00	93

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0190	1970	FORD	TORI	302	HI SPEED	17.0	250	0.95	2698
					LO SPEED	7.5	300	0.37	1045
					IDLE DR		290	0.95	157
					IDLE NEU		230	1.10	95
0191	1970	FORD	GALA	351	HI SPEED	18.5	240	1.80	2108
					LO SPEED	8.5	290	0.92	1385
					IDLE DR		210	3.40	162
					IDLE NEU		150	3.00	108
0193	1970	MERC	STAW	390	HI SPEED	20.0	85	1.10	1066
					LO SPEED	10.0	70	0.35	730
					IDLE DR		200	6.20	90
					IDLE NEU		180	6.40	70
0195	1970	PLYM	STAW	383	HI SPEED	20.0	120	1.05	2277
					LO SPEED	10.0	190	1.85	1045
					IDLE DR		160	6.40	91
					IDLE NEU		155	6.90	72
0196	1970	PLYM	DUST	318	HI SPEED	14.0	1990	0.85	2614
					LO SPEED	6.5	1240	0.15	1624
					IDLE DR		750	0.55	407
					IDLE NEU		620	0.35	147
0197	1970	PONT	FIRE	350	HI SPEED	17.0	170	4.60	398
					LO SPEED	7.5	175	1.65	578
					IDLE DR		180	1.20	213
					IDLE NEU		115	0.90	103
0198	1970	DATS	510	97	HI SPEED	11.5	145	0.16	3289
					LO SPEED	5.0	165	0.60	1209
					IDLE DR				
					IDLE NEU		100	0.78	63
0199	1970	TOYO	CORO	116	HI SPEED	12.5	100	0.60	2867
					LO SPEED	5.5	160	2.00	1385
					IDLE DR		140	0.90	191
					IDLE NEU		90	0.30	117

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0200	1970	VOLK	KARM	97	HI SPEED	11.5	158	0.70	3204
					LO SPEED	5.0	162	0.28	1571
					IDLE DR				
					IDLE NEU		175	7.70	93
0423	1970	BUIC	SKYL	350	HI SPEED	17.0	180	0.80	1878
					LO SPEED	7.5	290	3.80	455
					IDLE DR		230	3.60	117
					IDLE NEU		160	3.80	83
0424	1970	BUIC	LESA	350	HI SPEED	20.0	130	1.50	1606
					LO SPEED	10.0	270	3.60	511
					IDLE DR		280	7.40	67
					IDLE NEU		240	7.00	47
0425	1970	CADI	DEVI	472	HI SPEED	21.5	340	10.00	152
					LO SPEED	11.0	385	10.00	84
					IDLE DR		340	5.80	77
					IDLE NEU		290	5.00	67
0426	1970	CHEV	MALI	307	HI SPEED	15.5	230	1.35	2783
					LO SPEED	7.5	355	1.90	1862
					IDLE DR		415	8.40	86
					IDLE NEU		345	8.00	67
0427	1970	CHEV	MONT	350	HI SPEED	18.5	260	1.30	1148
					LO SPEED	8.5	380	2.30	417
					IDLE DR		600	3.00	167
					IDLE NEU		800	2.30	83
0428	1970	CHEV	IMPA	350	HI SPEED	18.5	290	1.70	2614
					LO SPEED	8.5	415	1.15	1973
					IDLE DR		375	8.20	100
					IDLE NEU		285	7.05	77
0429	1970	CHRY	NEWP	383	HI SPEED	20.0	140	0.95	2614
					LO SPEED	10.0	160	0.13	1571
					IDLE DR		300	8.40	79
					IDLE NEU		295	8.40	60

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
0430	1970	DODG	STAW	318	HI SPEED	18.5	330	0.22	3373
					LO SPEED	8.5	520	0.16	1878
					IDLE DR		1800	0.60	196
					IDLE NEU		2000	0.85	98
0432	1970	FORD	STAW	351	HI SPEED	18.5	160	0.40	3542
					LO SPEED	8.5	170	0.10	1642
					IDLE DR		190	1.20	167
					IDLE NEU		130	1.00	98
0433	1970	FORD	LTD	390	HI SPEED	18.5	195	0.95	1711
					LO SPEED	8.5	430	3.10	398
					IDLE DR		680	10.00	23
					IDLE NEU		780	10.00	17
0434	1970	OLDS	CUTL	350	HI SPEED	17.0	140	2.00	940
					LO SPEED	8.5	170	1.40	492
					IDLE DR		320	5.20	73
					IDLE NEU		210	4.20	65
0435	1970	PLYM	FRY2	318	HI SPEED	17.0	205	1.70	2530
					LO SPEED	8.5	320	2.30	1229
					IDLE DR		340	10.00	67
					IDLE NEU		280	9.40	55
0436	1970	PONT	GRNP	400	HI SPEED	17.0	165	0.15	2361
					LO SPEED	8.5	220	0.10	1516
					IDLE DR		350	7.10	86
					IDLE NEU		395	7.50	53
0437	1970	VOLK	SEDA	97	HI SPEED	10.5	200	1.10	2445
					LO SPEED	4.5	190	0.55	1694
					IDLE DR				
					IDLE NEU		165	7.00	100
9438	1969	AMC	AMER	199	HI SPEED	15.0	220	1.20	2867
					LO SPEED	6.5	320	0.80	2530
					IDLE DR		340	7.20	122
					IDLE NEU		280	7.00	88

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9439	1969	BUIC	ELEC	430	HI SPEED	20.0	230	3.10	1268
					LO SPEED	10.0	250	4.70	186
					IDLE DR		210	6.70	67
					IDLE NEU		170	4.40	62
9440	1969	BUIC	SKYL	350	HI SPEED	18.5	150	0.40	3204
					LO SPEED	8.5	220	0.70	1423
					IDLE DR		240	3.70	137
					IDLE NEU		180	3.60	77
9441	1969	CADI	FLEE	472	HI SPEED	21.5	40	0.45	982
					LO SPEED	11.0	60	1.50	474
					IDLE DR		120	6.50	65
					IDLE NEU		100	5.60	57
9442	1969	CHEV	NOVA	307	HI SPEED	15.5	240	2.20	1813
					LO SPEED	7.5	330	1.00	1423
					IDLE DR		340	6.00	84
					IDLE NEU		240	5.00	61
9443	1969	CHEV	CAPR	350	HI SPEED	17.0	160	0.15	3626
					LO SPEED	8.5	230	0.32	1829
					IDLE DR		160	0.45	159
					IDLE NEU		140	0.35	88
9444	1969	CHEV	CHEL	307	HI SPEED	15.5	210	2.60	2024
					LO SPEED	7.5	220	0.65	1288
					IDLE DR		240	3.30	98
					IDLE NEU		100	4.00	71
9445	1969	CHEV	IMPA	327	HI SPEED	18.5	380	3.40	1606
					LO SPEED	8.5	520	2.00	1385
					IDLE DR		520	7.20	83
					IDLE NEU		360	6.60	68
9446	1969	CHEV	IMPA	350	HI SPEED	18.5	240	0.45	3036
					LO SPEED	8.5	290	0.35	1606
					IDLE DR		280	4.20	142
					IDLE NEU		180	4.10	103

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9447	1969	CHEV	NOVA	230	HI SPEED	14.0	200	0.20	3373
					LO SPEED	6.5	300	0.80	1942
					IDLE DR		320	6.20	98
					IDLE NEU		280	5.80	67
9448	1969	CHEV	IMPA	350	HI SPEED	18.5	240	0.70	3289
					LO SPEED	8.5	360	2.25	1249
					IDLE. DR		350	6.95	84
					IDLE NEU		285	6.60	65
9450	1969	DODG	CORO	318	HI SPEED	15.5	180	1.20	3204
					LO SPEED	7.5	320	2.20	1813
					IDLE DR		280	5.60	132
					IDLE NEU		310	4.70	93
9451	1969	FORD	MUST	200	HI SPEED	14.0	180	0.20	4722
					LO SPEED	6.5	300	0.60	2192
					IDLE DR				
					IDLE NEU		180	6.40	108
9452	1969	FORD	GALA	302	HI SPEED	17.0	230	0.20	4554
					LO SPEED	8.5	320	0.20	3710
					IDLE DR		480	9.80	59
					IDLE NEU		420	9.60	39
9453	1969	FORD	TORI	351	HI SPEED	15.5	120	0.40	1189
					LO SPEED	7.5	180	0.20	853
					IDLE DR		380	1.10	206
					IDLE NEU		280	1.20	79
9454	1969	FORD	XL	390	HI SPEED	18.5	130	0.80	1855
					LO SPEED	8.5	200	0.20	1686
					IDLE DR		260	5.60	73
					IDLE NEU		240	5.20	73
9455	1969	FORD	STAW	302	HI SPEED	15.5	240	0.50	3036
					LO SPEED	7.5	250	0.20	896
					IDLE DR				
					IDLE NEU		220	2.60	73

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9456	1969	FORD	STAW	429	HI SPEED	20.0	259	3.80	1404
					LO SPEED	10.0	340	3.90	982
					IDLE DR		400	9.20	88
					IDLE NEU		490	9.50	94
9457	1969	MERC	STAW	390	HI SPEED	20.0	120	0.60	1642
					LO SPEED	10.0	160	0.50	940
					IDLE DR		320	5.20	73
					IDLE NEU		280	4.60	61
9458	1969	OLDS	NNTY	455	HI SPEED	20.0	110	0.60	1910
					LO SPEED	10.0	160	1.70	765
					IDLE DR		140	3.40	59
					IDLE NEU		120	3.60	47
9459	1969	OLDS	CUTL	350	HI SPEED	17.0	420	2.20	1423
					LO SPEED	7.5	1180	1.30	1189
					IDLE DR		760	1.30	122
					IDLE NEU		1120	1.40	69
9460	1969	PLYM	SATE	318	HI SPEED	17.0	175	0.65	3204
					LO SPEED	7.5	300	1.45	1829
					IDLE DR		360	5.90	108
					IDLE NEU		320	6.00	80
9461	1969	PLYM	VALI	225	HI SPEED	14.0	155	1.55	2192
					LO SPEED	6.5	175	0.18	1926
					IDLE DR		230	2.10	194
					IDLE NEU		190	2.35	96
9462	1969	PONT	STAW	350	HI SPEED	17.0	180	1.00	3204
					LO SPEED	8.5	260	1.00	1846
					IDLE DR		300	7.40	137
					IDLE NEU		260	7.00	77
9463	1969	PONT	BONN	400	HI SPEED	20.0	220	2.70	1589
					LO SPEED	10.0	360	5.70	312
					IDLE DR		250	5.20	74
					IDLE NEU		225	6.80	57

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
9464	1969	PONT	CATA	400	HI SPEED	17.0	240	1.10	2192
					LO SPEED	8.5	390	3.70	739
					IDLE DR		440	10.00	65
					IDLE NEU		445	9.80	51
9465	1969	TOYO	CORO	116	HI SPEED	12.5	200	0.65	2698
					LO SPEED	5.5	460	2.90	1107
					IDLE DR		320	5.20	64
					IDLE NEU		320	5.80	53
9466	1969	VOLK	SEDA	91	HI SPEED	10.5	160	1.70	1694
					LO SPEED	4.5	180	0.75	961
					IDLE DR				
					IDLE NEU		175	2.10	84
9467	1969	VOLK	SEDA	91	HI SPEED	10.5	200	2.10	1779
					LO SPEED	4.5	250	1.30	1148
					IDLE DR				
					IDLE NEU		220	8.00	69
8468	1968	AMC	REBE	343	HI SPEED	15.5	220	1.00	2530
					LO SPEED	7.5	240	0.60	1066
					IDLE DR		260	2.80	147
					IDLE NEU		180	2.40	103
8469	1965	AMC	CLAS	232	HI SPEED	14.0	220	3.40	1498
					LO SPEED	6.5	420	8.20	211
					IDLE DR		400	10.00	41
					IDLE NEU		400	9.60	31
8470	1966	AMC	ROGU	290	HI SPEED	15.0	320	2.50	1534
					LO SPEED	6.5	460	5.80	398
					IDLE DR				
					IDLE NEU		520	10.00	35
8471	1967	BUIC	LESA	340	HI SPEED	17.0	360	7.50	284
					LO SPEED	8.5	440	7.00	132
					IDLE DR		730	8.40	23
					IDLE NEU		740	7.50	24

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8472	1968	BUIC	ELEC	430	HI SPEED	20.0	200	0.80	3542
					LO SPEED	10.0	260	2.80	940
					IDLE DR		260	8.00	108
					IDLE NEU		220	8.00	83
8473	1968	BUIC	SKYL	350	HI SPEED	17.0	60	0.20	1606
					LO SPEED	7.5	110	0.20	675
					IDLE DR		230	1.90	69
					IDLE NEU		280	2.00	61
8474	1966	CADI	DEVI	429	HI SPEED	21.5	130	1.55	2192
					LO SPEED	11.0	190	1.50	1346
					IDLE DR		155	2.60	152
					IDLE NEU		125	2.10	98
8475	1967	CHEV	NOVA	250	HI SPEED	14.0	349	6.20	796
					LO SPEED	6.5	420	5.90	237
					IDLE DR		540	4.30	80
					IDLE NEU		510	3.95	53
8476	1967	CHEV	STAW	283	HI SPEED	17.0	395	3.30	1878
					LO SPEED	8.5	535	4.55	711
					IDLE DR		565	2.20	246
					IDLE NEU		440	2.25	100
8477	1967	CHEV	IMPA	283	HI SPEED	17.0	440	0.85	3036
					LO SPEED	8.5	620	1.40	2024
					IDLE DR		1110	9.90	48
					IDLE NEU		1850	9.20	22
8478	1968	CHEV	IMPA	307	HI SPEED	17.0	220	1.80	1973
					LO SPEED	8.5	300	1.10	1346
					IDLE DR		400	2.60	147
					IDLE NEU		320	2.00	71
8479	1968	CHEV	IMPA	327	HI SPEED	20.0	195	3.80	940
					LO SPEED	10.0	250	4.50	711
					IDLE DR		285	7.40	369
					IDLE NEU		235	7.00	74

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8480	1967	CHEV	STAW	396	HI SPEED	18.5	240	2.80	1498
					LO SPEED	8.5	350	5.00	303
					IDLE DR		360	4.10	103
					IDLE NEU		350	4.10	73
8481	1967	CHEV	NOVA	283	HI SPEED	13.0	420	2.80	1642
					LO SPEED	6.0	590	2.40	1024
					IDLE DR		820	7.30	54
					IDLE NEU		810	7.00	49
8482	1966	CHEV	MALI	283	HI SPEED	15.5	95	0.81	616
					LO SPEED	7.5	220	0.87	530
					IDLE DR		245	2.70	55
					IDLE NEU		200	2.05	41
8483	1968	CHEV	MALI	307	HI SPEED	15.5	790	2.50	834
					LO SPEED	7.5	300	1.10	606
					IDLE DR		520	1.75	113
					IDLE NEU		420	4.40	57
8484	1968	CHEV	CHEL	307	HI SPEED	17.0	140	0.82	2698
					LO SPEED	7.5	220	1.10	1460
					IDLE DR				
					IDLE NEU		100	0.70	61
8485	1968	CHEV	CAPR	327	HI SPEED	17.0	210	2.15	1189
					LO SPEED	8.5	255	2.80	436
					IDLE DR		350	7.50	59
					IDLE NEU		360	7.25	57
8486	1968	CHEV	STAW	396	HI SPEED	20.0	320	5.80	765
					LO SPEED	10.0	480	7.40	284
					IDLE DR		650	9.20	69
					IDLE NEU		1050	9.00	45
8487	1968	CHRY	NEWP	383	HI SPEED	18.5	60	0.38	1346
					LO SPEED	8.5	120	1.75	322
					IDLE DR		200	4.70	63
					IDLE NEU		170	4.60	51

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LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8488	1968	DODG	DART	225	HI SPEED	14.0	200	6.80	511
					LO SPEED	6.5	165	0.85	1024
					IDLE DR				
					IDLE NEU		260	4.40	88
8489	1967	DODG	CORO	318	HI SPEED	15.5	220	1.70	3204
					LO SPEED	7.5	340	1.10	2698
					IDLE DR		370	4.90	113
					IDLE NEU		400	5.00	83
8490	1968	DODG	POLA	383	HI SPEED	18.5	200	2.30	1346
					LO SPEED	8.5	179	0.25	853
					IDLE DR		390	8.00	55
					IDLE NEU		380	7.80	40
8491	1967	FORD	FALC	200	HI SPEED	14.0	170	0.32	3120
					LO SPEED	6.5	180	0.60	881
					IDLE DR				
					IDLE NEU		195	7.00	113
8492	1968	FORD	MUST	289	HI SPEED	14.0	239	0.95	1571
					LO SPEED	6.5	279	1.40	587
					IDLE DR		285	4.80	117
					IDLE NEU		190	4.90	95
8493	1968	FORD	FAIR	289	HI SPEED	15.5	340	1.00	2361
					LO SPEED	7.5	460	2.60	940
					IDLE DR		320	2.00	132
					IDLE NEU		1880	1.80	73
8494	1968	FORD	CUST	302	HI SPEED	18.5	210	3.10	1045
					LO SPEED	8.5	300	6.50	115
					IDLE DR				
					IDLE NEU		300	9.80	33
8495	1968	FORD	TORI	302	HI SPEED	15.5	340	0.80	2530
					LO SPEED	7.5	380	0.40	1066
					IDLE DR		2000	3.40	47
					IDLE NEU		2000	3.20	37

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8496	1966	FORD	STAW	390	HI SPEED	20.0	240	3.80	1066
					LO SPEED	10.0	320	5.00	303
					IDLE DR		360	7.60	73
					IDLE NEU		320	8.80	55
8497	1966	FORD	FALC	200	HI SPEED	13.0	180	0.50	2530
					LO SPEED	6.0	380	2.40	4722
					IDLE DR		360	4.20	132
					IDLE NEU		240	4.00	86
8498	1968	FORD	MUST	289	HI SPEED	14.0	250	0.80	2530
					LO SPEED	6.5	320	0.40	1423
					IDLE DR		240	2.00	196
					IDLE NEU		160	2.40	113
8499	1968	FORD	RANC	289	HI SPEED	15.5	260	1.95	1571
					LO SPEED	7.5	270	1.00	862
					IDLE DR		320	6.95	79
					IDLE NEU		290	7.40	58
8500	1967	FORD	STAW	390	HI SPEED	20.0	130	1.85	982
					LO SPEED	10.0	145	1.30	625
					IDLE DR		280	3.90	95
					IDLE NEU		80	1.20	69
8501	1968	FORD	THND	429	HI SPEED	20.0	165	0.78	2361
					LO SPEED	10.0	170	0.40	1128
					IDLE DR		255	1.50	455
					IDLE NEU		270	2.35	110
8502	1965	LINC	CONT	462	HI SPEED	22.5	420	7.60	720
					LO SPEED	12.0	540	7.80	341
					IDLE DR		840	10.00	19
					IDLE NEU		720	10.00	19
8503	1967	MERC	COUG	289	HI SPEED	15.5	310	1.50	1442
					LO SPEED	7.5	335	1.05	350
					IDLE DR				
					IDLE NEU		500	8.20	38

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8504	1967	OLDS	CUTL	330	HI SPEED	15.5	160	0.25	2614
					LO SPEED	7.5	340	1.95	919
					IDLE DR		195	0.95	172
					IDLE NEU		135	0.80	105
8505	1965	OLDS	NNTY	425	HI SPEED	20.0	132	2.20	739
					LO SPEED	10.0	190	1.95	398
					IDLE DR		330	8.20	67
					IDLE NEU		352	8.50	54
8506	1968	OLDS	CUTL	350	HI SPEED	17.0	365	3.40	1189
					LO SPEED	7.5	360	2.30	559
					IDLE DR		840	5.30	78
					IDLE NEU		1110	5.20	69
8507	1968	PLYM	SATE	318	HI SPEED	15.5	140	0.36	2530
					LO SPEED	7.5	140	0.20	1308
					IDLE DR		380	5.20	117
					IDLE NEU		340	4.80	83
8508	1968	PLYM	FRY3	318	HI SPEED	17.0	260	2.00	2192
					LO SPEED	8.5	375	1.50	1642
					IDLE DR		360	3.60	113
					IDLE NEU		370	3.40	103
8509	1968	PLYM	FRY3	383	HI SPEED	18.5	80	0.55	1926
					LO SPEED	8.5	225	1.75	815
					IDLE DR		220	6.40	57
					IDLE NEU		220	6.20	45
8510	1966	PLYM	SPOR	383	HI SPEED	18.5	200	3.00	815
					LO SPEED	8.5	325	2.90	436
					IDLE DR		590	7.90	69
					IDLE NEU		490	7.40	58
8511	1967	PONT	LEMA	326	HI SPEED	15.5	205	0.56	3120
					LO SPEED	7.5	310	1.80	1534
					IDLE DR		370	2.65	767
					IDLE NEU		360	3.20	149

APPENDIX N CONT'D

LISTING OF ALTERNATE FEDERAL THREE MODE EMISSION RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE NUMBER	YEAR	MAKE	MODEL	CID	TEST MODE	RLHP	HC ppm/HEX	CO %	NOx ppm
8512	1968	PONT	STAW	400	HI SPEED	20.0	270	2.80	1385
					LO SPEED	10.0	340	4.20	369
					IDLE DR		650	0.10	40
					IDLE NEU		1540	0.15	23
8513	1968	PONT	STAW	350	HI SPEED	17.0	130	0.31	3626
					LO SPEED	8.5	250	0.38	2614
					IDLE DR		240	3.80	162
					IDLE NEU		183	4.20	98
8514	1968	PONT	CATA	400	HI SPEED	18.5	210	1.70	1107
					LO SPEED	8.5	160	0.20	786
					IDLE DR		280	0.10	284
					IDLE NEU		1275	0.15	137
8515	1968	PONT	CATA	400	HI SPEED	18.5	220	2.20	2530
					LO SPEED	8.5	180	0.40	1677
					IDLE DR		230	2.50	221
					IDLE NEU		160	2.30	108
8516	1968	VOLK	SEDA	91	HI SPEED	11.5	560	6.80	896
					LO SPEED	5.0	540	7.80	246
					IDLE DR				
					IDLE NEU		1000	10.00	23
8517	1966	VOLK	SEDA	97	HI SPEED	11.5	220	1.00	3204
					LO SPEED	5.0	300	2.00	1878
					IDLE DR				
					IDLE NEU		1680	0.50	122

APPENDIX O - LISTING OF NEW YORK CITY CYCLE EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

Legend

VEHICLE - Vehicle Number

YEAR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

CID - Engine Displacement in Cubic Inches

HC - Hydrocarbon Emissions in grams per mile

CO - Carbon Monoxide Emissions in grams per mile

CO_2 - Carbon Dioxide Emissions in grams per mile

NOx_c - Oxides of Nitrogen Emissions corrected for humidity in grams per mile

MPG - Fuel Economy in miles per gallon, Calculated Using the Carbon Balance Method

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APPENDIX O

LISTING OF NEW YORK CITY CYCLE EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
5052	1975	AMC	STAW	258	3.32	21.8	825.4	5.17	10.2
5053	1975	BUIC	CNTY	350	4.08	67.1	1158.0	4.41	7.0
5054	1975	BUIC	LESA	350	5.71	182.1	1257.4	2.53	5.7
5055	1975	CADI	DEVI	500	11.36	259.0	1076.3	7.83	5.8
5056	1975	CHEV	VEGA	140	4.02	61.6	702.3	2.90	10.9
5057	1975	CHEV	MONT	350	0.74	11.7	1094.0	1.92	8.0
5058	1975	CHEV	IMPA	350	6.59	85.7	1121.7	1.93	6.9
5059	1975	CHEV	CAPR	400	0.82	1.3	1308.0	4.37	6.8
5060	1975	CHEV	NOVA	250	3.86	58.9	693.3	3.05	11.1
5061	1975	CHRY	NEWP	400	5.83	185.6	1303.2	1.68	5.5
5062	1975	DODG	DART	318	8.02	229.4	931.7	7.11	6.7
5063	1975	FORD	STAW	140	2.58	7.4	790.9	2.09	10.9
5064	1975	FORD	STAW	351	3.67	36.5	1482.7	2.78	5.7
5065	1975	FORD	LTD	400	5.52	57.3	1322.9	3.15	6.2
5066	1975	FORD	GRAN	250	1.75	13.8	893.4	1.83	9.6
5067	1975	FORD	GRAN	302	7.82	82.4	1240.7	4.11	6.4
5068	1975	MERC	MARQ	460	2.18	107.0	1618.5	4.18	4.9
5069	1975	OLDS	CUTL	350	0.92	11.7	1052.7	3.24	8.3
5070	1975	OLDS	DELT	455	0.77	6.2	1226.7	2.58	7.2
5071	1975	PLYM	VALI	225	0.45	6.3	944.9	7.03	9.3
5072	1975	PLYM	VALI	318	1.21	24.0	1351.5	2.35	6.4
5073	1975	PONT	STAW	400	6.87	111.8	1242.6	3.72	6.2
5074	1975	PONT	CATA	400	6.11	106.1	1189.2	3.43	6.5
5075	1975	DATS	SEDA	85	3.59	26.6	488.8	2.40	16.4
5076	1975	TOYO	CORO	133	2.05	64.0	749.3	3.25	10.4
5077	1975	TOYO	CORO	133	3.74	31.2	730.3	2.98	11.2
5078	1975	VOLK	RABB	90	2.93	76.2	666.3	1.72	11.2
5079	1975	VOLK	RABB	90	0.86	6.4	692.6	2.28	12.6
5317	1975	AMC	HORN	304	0.81	19.8	1267.5	2.07	6.8
5318	1975	BUIC	LESA	350	1.55	51.8	1216.0	1.66	6.8
5319	1976	CADI	SEVI	350	0.61	2.1	1286.0	2.05	6.9
5320	1975	CHEV	STAW	140	2.49	41.7	768.4	1.60	10.5

APPENDIX O CONT'D

LISTING OF NEW YORK CITY CYCLE EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS	PER MILE ---			FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
5321	1975	CHEV	CAMA	350	0.89	1.0	1191.6	3.33	7.4
5322	1975	CHEV	NOVA	262	0.81	2.4	894.5	4.20	9.9
5323	1975	CHEV	MONT	350	7.57	128.1	1294.1	4.01	5.8
5324	1975	CHEV	MONT	454	0.61	17.3	1542.4	2.01	5.6
5325	1975	DODG	DART	225	4.82	124.3	719.3	3.75	9.5
5326	1975	FORD	STAW	171	1.28	6.3	915.1	3.38	9.6
5327	1975	FORD	LTD	400	1.42	20.1	1823.1	4.21	4.8
5328	1975	FORD	TORI	351	4.91	8.2	1273.5	4.49	6.8
5329	1975	LINC	CONT	460	3.70	83.0	1601.0	5.00	5.1
5330	1975	MERC	MONA	302	1.31	3.7	1344.3	2.59	6.6
5331	1975	OLDS	OMEG	350	1.10	13.2	1298.4	1.67	6.7
5332	1975	OLDS	DELT	350	6.64	105.4	1008.2	3.04	7.4
5333	1975	PLYM	GRNF	360	1.22	32.1	1471.5	3.40	5.8
5334	1975	PONT	LEMA	250	0.64	10.4	879.4	3.80	9.9
5335	1975	DATS	710	119	3.28	28.1	578.9	3.25	14.0
5336	1975	FIAT	124	107	17.74	225.4	632.6	1.42	8.5
5337	1975	HOND	CIVI	91	2.23	6.0	536.5	1.70	16.0
5338	1975	MAZD	COUP	97	3.01	75.3	684.3	0.89	10.9
1159	1971	BUIC	ELEC	455	11.14	98.2	1559.8	4.68	5.1
1162	1971	CHEV	MALI	350	6.93	78.9	1103.1	3.33	7.1
1163	1971	CHEV	CAMA	307	6.87	64.4	1100.0	3.06	7.3
1164	1971	CHEV	IMPA	350	3.61	39.6	1209.2	3.46	6.9
1170	1971	FORD	MUST	250	8.02	92.2	828.5	6.88	8.9
1171	1971	FORD	GALA	351	8.24	47.1	938.6	5.38	8.5
1173	1971	MERC	COUG	351	6.36	60.6	1181.6	3.47	6.8
1177	1971	PONT	LEMA	350	6.27	96.6	1277.2	3.02	6.1
1178	1971	DATS	STAW	97	8.81	40.6	421.9	5.79	17.3
1407	1971	CADI	DEVI	472	7.09	241.8	1371.3	3.12	5.0
1412	1971	DODG	DART	225	9.25	235.0	580.5	2.78	9.1
1413	1971	FORD	STAW	302	15.08	86.3	1048.2	3.91	7.2
1417	1971	OLDS	STAW	350	5.72	128.8	1161.9	2.72	6.4
1419	1971	PLYM	VALI	318	9.00	184.0	888.8	3.62	7.4

APPENDIX O CONT'D

LISTING OF NEW YORK CITY CYCLE EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
1422	1971	VOLK	SEDA	97	15.49	156.7	499.0	2.03	11.2
0181	1970	AMC	HORN	232	4.46	102.1	851.6	2.63	8.6
0182	1970	BUIC	WILD	455	10.55	247.2	1272.9	3.76	5.2
0183	1970	CHEV	NOVA	307	10.81	235.6	931.4	1.85	6.6
0184	1970	CHEV	MALI	307	7.21	158.7	823.5	2.71	8.1
0185	1970	CHEV	MALI	350	6.33	75.2	1182.5	3.26	6.7
0186	1970	CHEV	IMPA	350	9.62	151.2	1026.2	3.67	6.9
0187	1970	CHEV	IMPA	400	8.53	116.5	1002.7	4.64	7.3
0188	1970	DODG	CORO	225	8.33	141.6	637.9	2.94	10.0
0189	1970	FORD	MUST	302	8.52	288.4	1091.9	1.65	5.6
0190	1970	FORD	TORI	302	6.32	77.5	996.9	2.65	7.8
0191	1970	FORD	GALA	351	8.50	148.0	1110.9	3.61	6.5
0192	1970	FORD	GALA	351	4.06	34.7	1350.5	4.88	6.3
0193	1970	MERC	STAW	390	8.12	239.3	1130.0	3.07	5.8
0194	1970	OLDS	CUTL	350	9.02	7.5	957.0	6.39	8.9
0195	1970	PLYM	STAW	383	10.83	340.1	1234.9	4.59	4.9
0196	1970	PLYM	DUST	318	22.57	53.1	1183.0	6.43	6.6
0197	1970	PONT	FIRE	350	7.01	128.9	1089.9	1.65	6.8
0198	1970	DATS	510	97	5.16	36.4	511.5	4.43	15.2
0199	1970	TOYO	CORO	116	3.72	64.0	524.8	2.90	13.9
0200	1970	VOLK	KARM	97	10.57	178.1	566.0	2.20	10.1
0423	1970	BUIC	SKYL	350	8.54	158.8	998.1	2.83	7.0
0424	1970	BUIC	LESA	350	12.79	330.3	914.5	3.19	6.0
0425	1970	CADI	DEVI	472	16.66	527.2	861.8	0.70	5.1
0426	1970	CHEV	MALI	307	11.56	235.8	837.3	3.08	7.1
0427	1970	CHEV	MONT	350	24.90	139.7	1001.3	2.88	6.8
0428	1970	CHEV	IMPA	350	10.29	254.0	868.3	2.68	6.8
0429	1970	CHRY	NEWP	383	17.73	267.7	1015.1	3.92	5.9
0430	1970	DODG	STAW	318	24.24	49.1	977.6	6.09	7.8
0431	1970	FORD	MAVE	200	3.06	32.4	849.5	4.03	9.8
0432	1970	FORD	STAW	351	7.71	25.4	1025.0	5.75	8.1
0433	1970	FORD	LTD	390	26.01	479.0	800.7	2.02	5.4

APPENDIX O CONT'D

LISTING OF NEW YORK CITY CYCLE EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

VEHICLE	YEAR	MAKE	MODL	CID	--- GRAMS PER MILE --- HC	CO	CO$_2$	NOx$_c$ ---	FUEL MPG
0434	1970	OLDS	CUTL	350	9.19	218.1	1002.8	1.90	6.5
0435	1970	PLYM	FRY2	318	12.84	315.3	778.3	3.57	6.8
0436	1970	PONT	GRNP	400	12.96	224.3	1062.8	3.47	6.1
0437	1970	VOLK	SEDA	97	10.21	139.4	534.9	2.08	11.3
8468	1968	AMC	REBE	343	6.57	90.4	999.7	2.57	7.6
8469	1965	AMC	CLAS	232	12.11	291.4	570.5	1.45	8.3
8470	1966	AMC	ROGU	290	28.90	372.6	638.9	1.00	6.7
8471	1967	BUIC	LESA	340	19.10	366.5	681.6	0.46	6.7
8472	1968	BUIC	ELEC	430	12.39	336.2	1198.8	5.14	5.0
8473	1968	BUIC	SKYL	350	6.57	51.7	950.0	3.66	8.4
8474	1966	CADI	DEVI	429	6.96	144.6	1241.7	4.13	6.0
8475	1967	CHEV	NOVA	250	9.21	134.9	590.2	0.94	10.7
8476	1967	CHEV	STAW	283	13.62	156.0	904.2	3.23	7.4
8477	1967	CHEV	IMPA	283	32.74	256.8	1042.7	4.45	5.7
8478	1968	CHEV	IMPA	307	8.90	88.4	861.8	3.11	8.6
8479	1968	CHEV	IMPA	327	11.48	324.9	988.4	2.10	5.8
8480	1967	CHEV	STAW	396	11.61	205.6	853.1	2.22	7.3
8481	1967	CHEV	NOVA	283	16.36	187.6	575.9	1.52	9.6
8482	1966	CHEV	MALI	283	7.86	102.2	824.4	2.07	8.8
8483	1968	CHEV	MALI	307	15.16	189.1	841.7	1.73	7.5
8484	1968	CHEV	CHEL	307	5.87	71.9	878.1	3.96	8.8
8485	1968	CHEV	CAPR	327	11.09	243.1	855.6	2.54	7.0
8486	1968	CHEV	STAW	396	29.43	461.4	916.4	1.89	5.1
8487	1968	CHRY	NEWP	383	10.66	287.3	996.0	2.37	6.0
8488	1968	DODG	DART	225	9.56	143.4	693.3	2.00	9.4
8489	1967	DODG	CORO	318	9.31	148.5	715.3	4.46	9.1
8490	1968	DODG	POLA	383	13.36	271.3	854.9	3.07	6.7
8491	1967	FORD	FALC	200	9.97	183.4	636.1	3.05	9.3
8492	1968	FORD	MUST	289	8.80	230.1	960.2	2.09	6.6
8493	1968	FORD	FAIR	289	9.93	100.6	874.3	2.83	8.3
8494	1968	FORD	CUST	302	15.23	379.4	780.6	0.90	6.2
8495	1968	FORD	TORI	302	29.44	83.8	695.5	3.79	9.6

APPENDIX O CONT'D

LISTING OF NEW YORK CITY CYCLE EMISSIONS
RESULTS ON INDIVIDUAL VEHICLES

PHOENIX

					--- GRAMS PER MILE ---				FUEL
VEHICLE	YEAR	MAKE	MODL	CID	HC	CO	CO_2	NOx_c	MPG
8496	1966	FORD	STAW	390	14.94	418.4	1010.9	1.81	5.2
8497	1966	FORD	FALC	200	7.42	110.8	578.5	2.70	11.4
8498	1968	FORD	MUST	289	7.66	75.7	978.1	3.58	7.9
8499	1968	FORD	RANC	289	9.89	230.1	764.5	1.85	7.7
8500	1967	FORD	STAW	390	11.68	226.3	1129.9	2.22	5.8
8501	1968	FORD	THND	429	11.77	90.2	1297.3	6.26	6.0
8502	1965	LINC	CONT	462	41.80	597.9	861.7	1.46	4.6
8503	1967	MERC	COUG	289	26.08	224.0	765.3	1.57	7.4
8504	1967	OLDS	CUTL	330	7.63	98.2	1116.1	2.65	6.9
8505	1965	OLDS	NNTY	425	14.92	405.8	956.4	1.22	5.4
8506	1968	OLDS	CUTL	350	28.54	272.7	1072.5	2.32	5.6
8507	1968	PLYM	SATE	318	7.68	119.8	879.2	4.28	8.1
8508	1968	PLYM	FRY3	318	9.71	142.8	838.3	5.12	8.1
8509	1968	PLYM	FRY3	383	11.25	262.6	942.8	2.86	6.4
8510	1966	PLYM	SPOR	383	17.98	330.9	1052.5	1.74	5.4
8511	1967	PONT	LEMA	326	11.53	150.1	1162.6	5.95	6.2
8512	1968	PONT	STAW	400	12.12	99.8	1093.3	2.05	6.9
8513	1968	PONT	STAW	350	9.39	162.3	1056.9	5.27	6.6
8514	1968	PONT	CATA	400	8.95	66.3	1504.5	4.65	5.4
8515	1968	PONT	CATA	400	7.56	108.2	1055.8	4.77	7.1
8516	1968	VOLK	SEDA	91	32.21	207.4	344.5	1.13	11.5
8517	1966	VOLK	SEDA	97	12.70	91.2	450.3	1.71	14.0